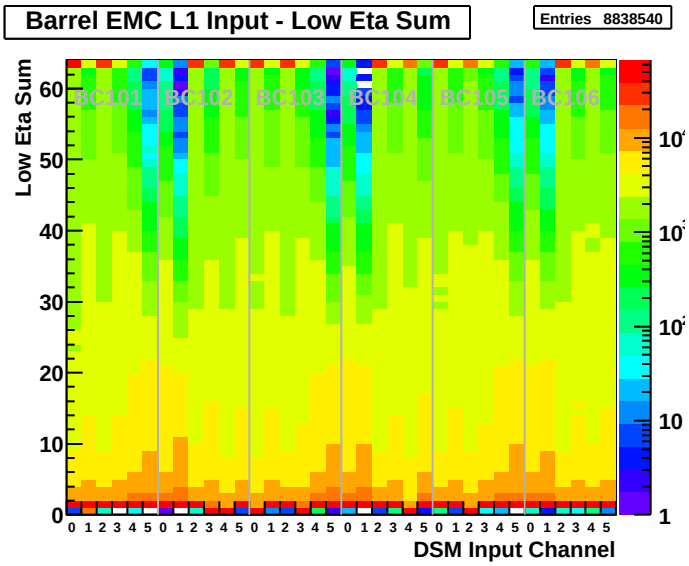
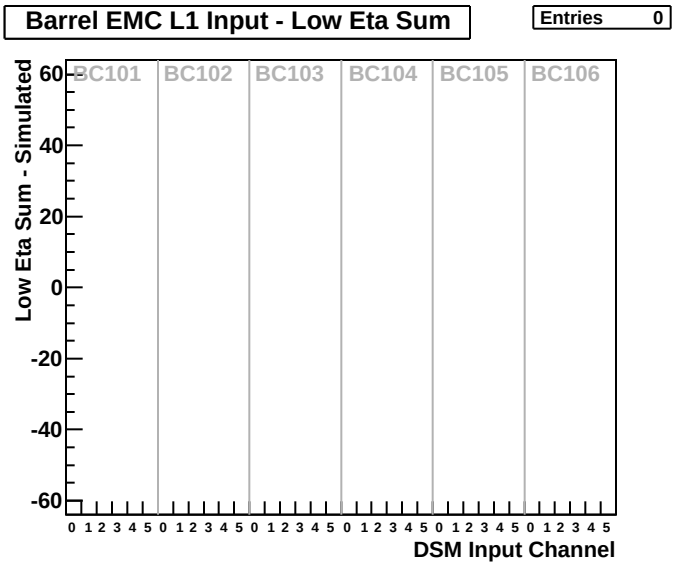
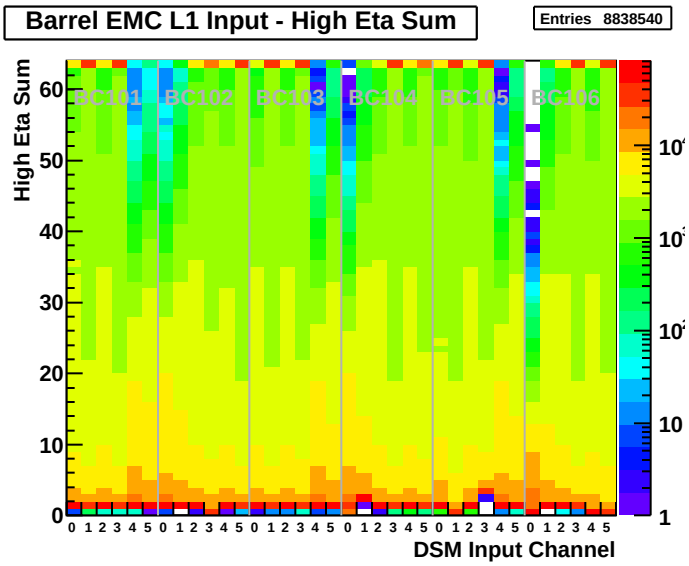
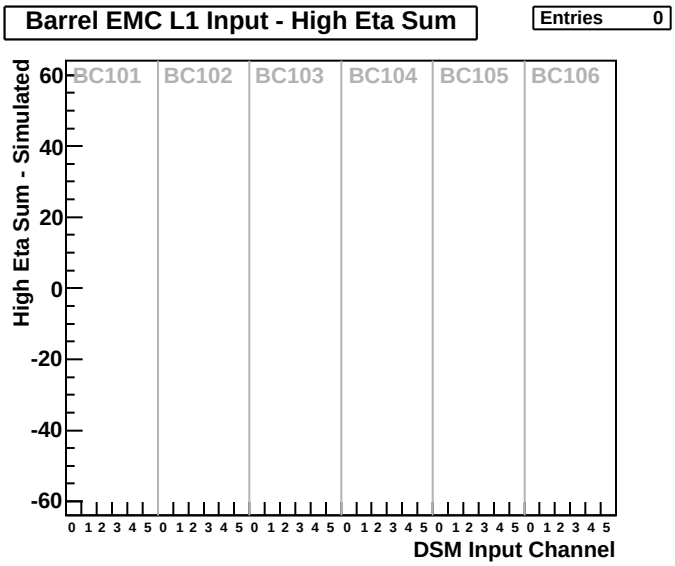
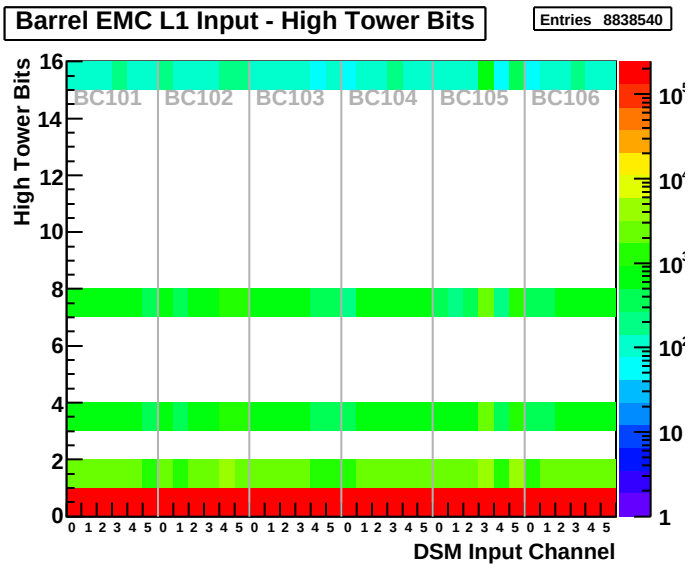
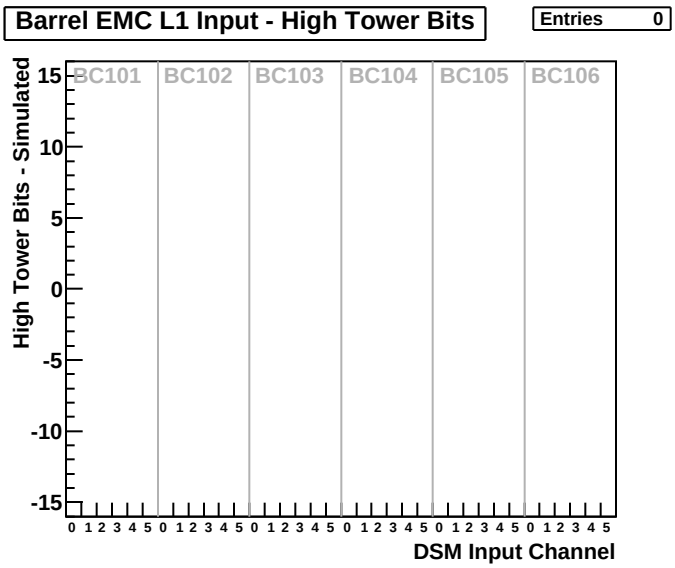

Barrel EMC L1 Input - Low Eta Sum
Entries 8838540
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

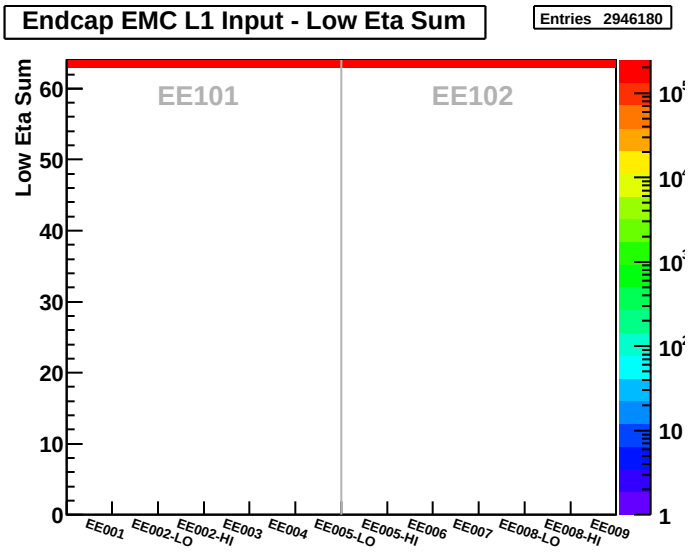

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

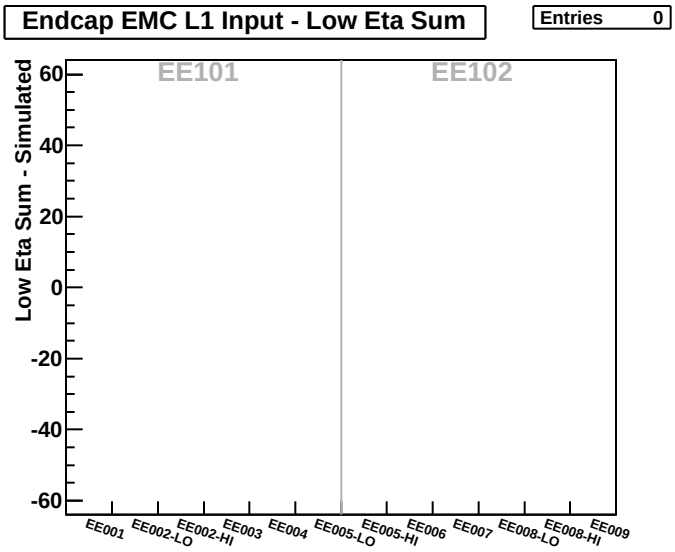

Barrel EMC L1 Input - High Eta Sum
Entries 8838540
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

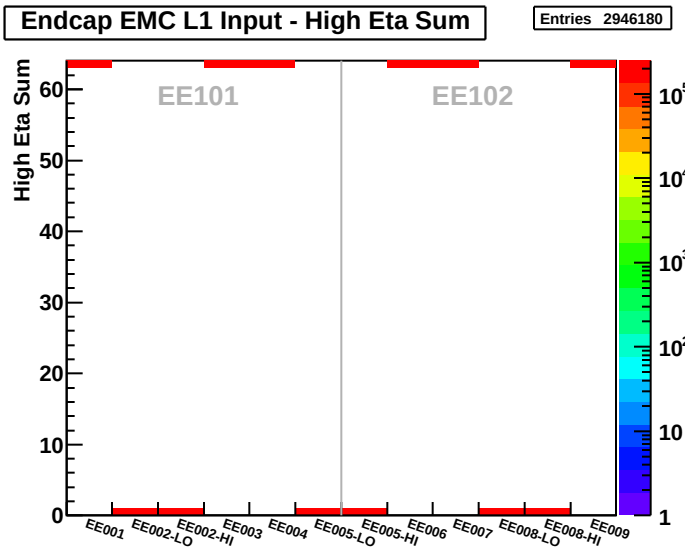

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

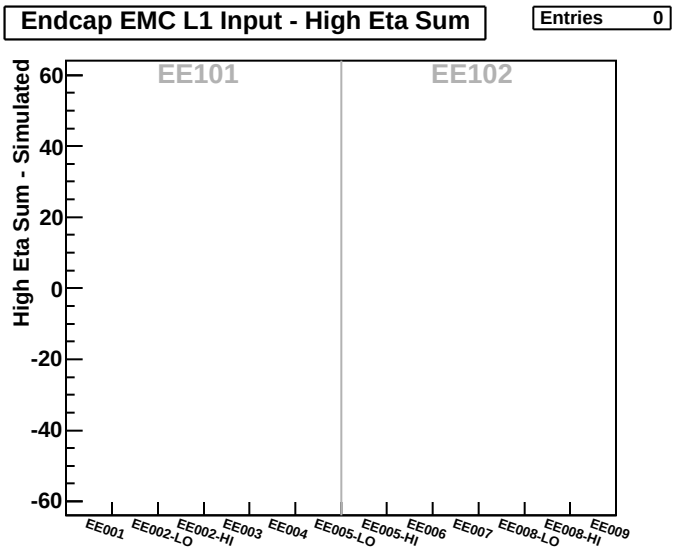

Barrel EMC L1 Input - High Tower Bits
Entries 8838540
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

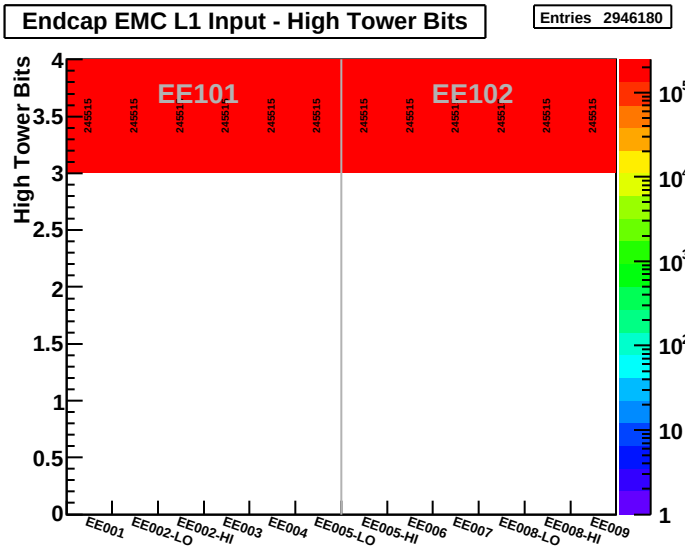

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

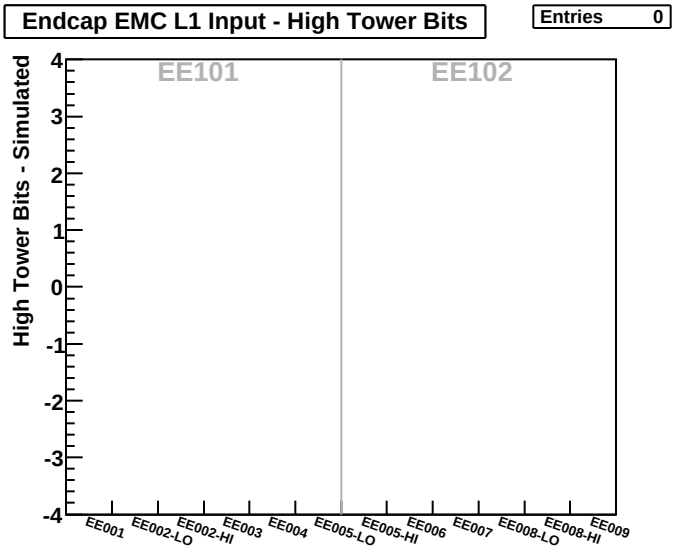

Endcap EMC L1 Input - Low Eta Sum
Entries 2946180
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

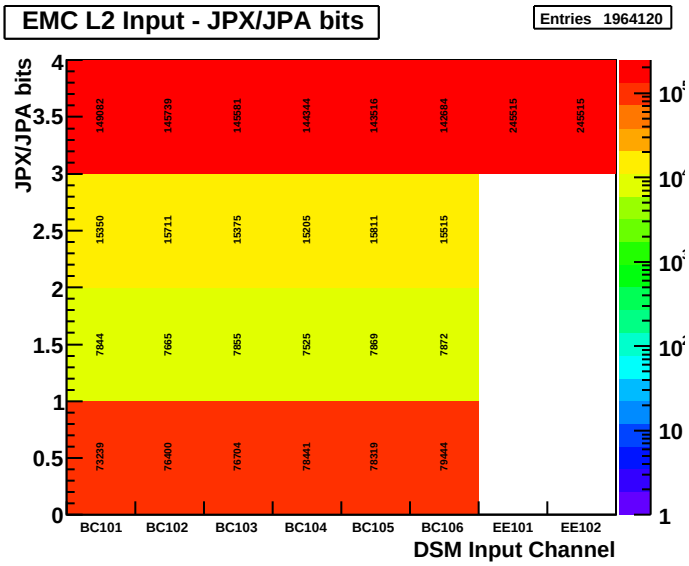

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

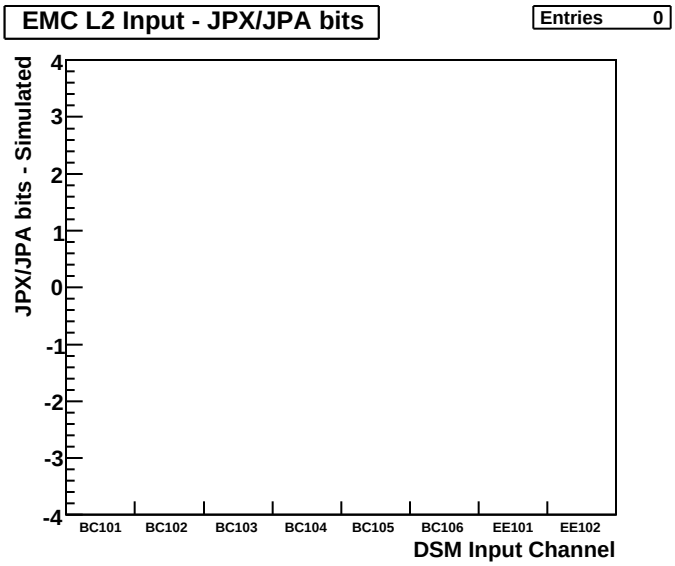

Endcap EMC L1 Input - High Eta Sum
Entries 2946180
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

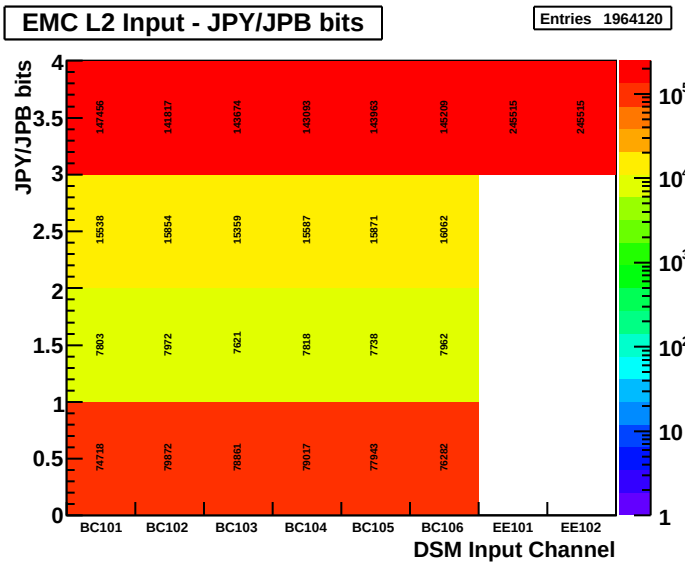

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

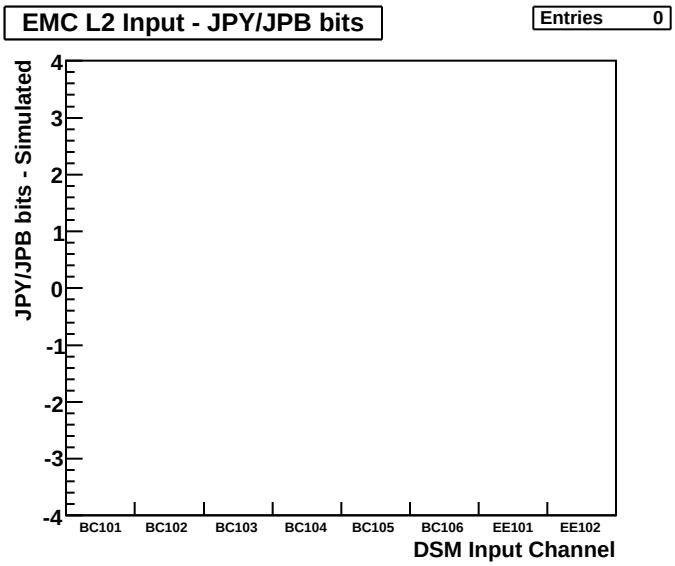

Endcap EMC L1 Input - High Tower Bits
Entries 2946180
High Tower Bits
EE101
EE102
245515
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

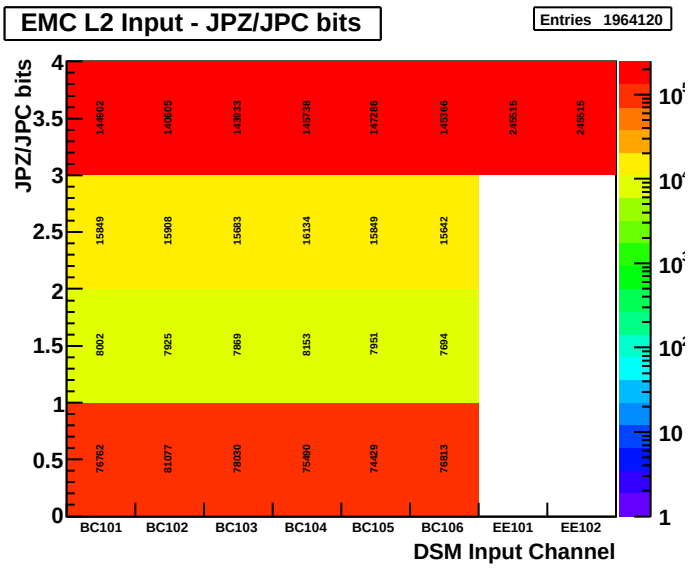

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

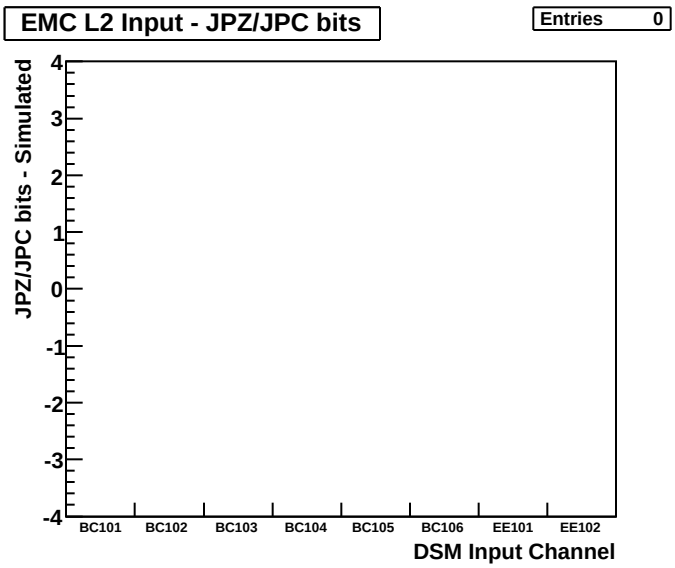

EMC L2 Input - JPX/JPA bits
Entries 1964120
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
149082 145739 145581 144344 143516 142884 245515 245515
15350 15711 15375 15205 15811 15515
7844 7665 7855 7525 7869 7872
73239 76400 76704 78441 78319 79444

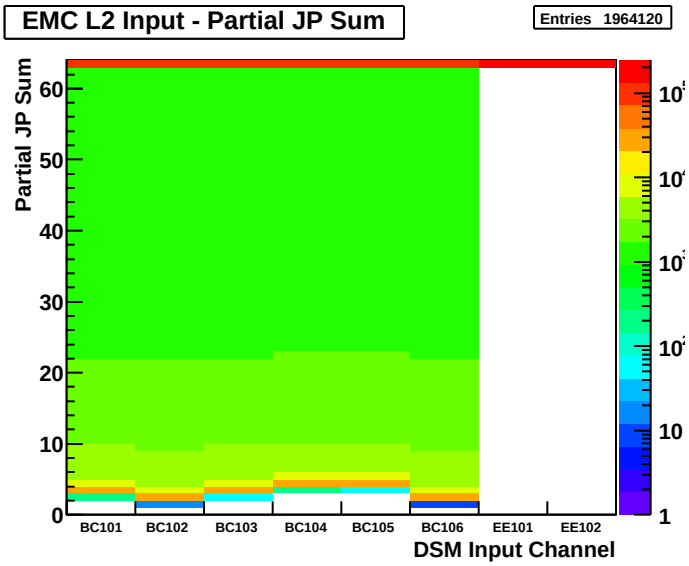

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

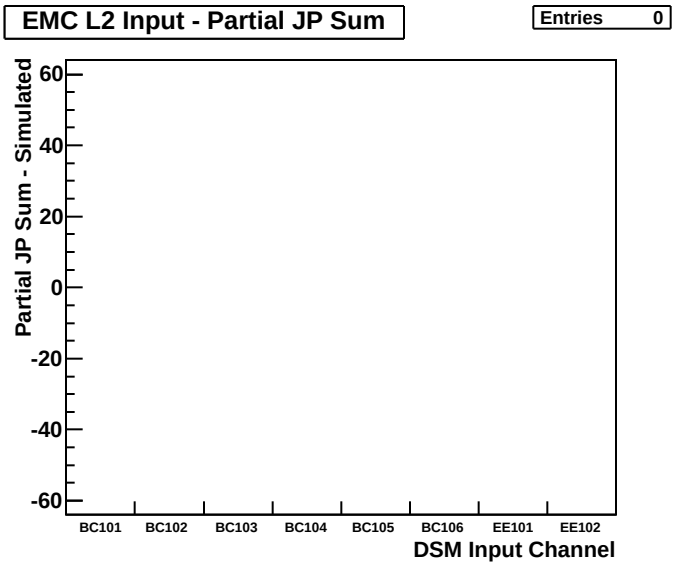

EMC L2 Input - JPY/JPB bits
Entries 1964120
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
147456 141817 142674 143093 143963 145209 245515 245515
15538 15954 15359 15587 15871 16062
7803 7972 7621 7818 7738 7962
74718 79872 78861 79017 77943 76282

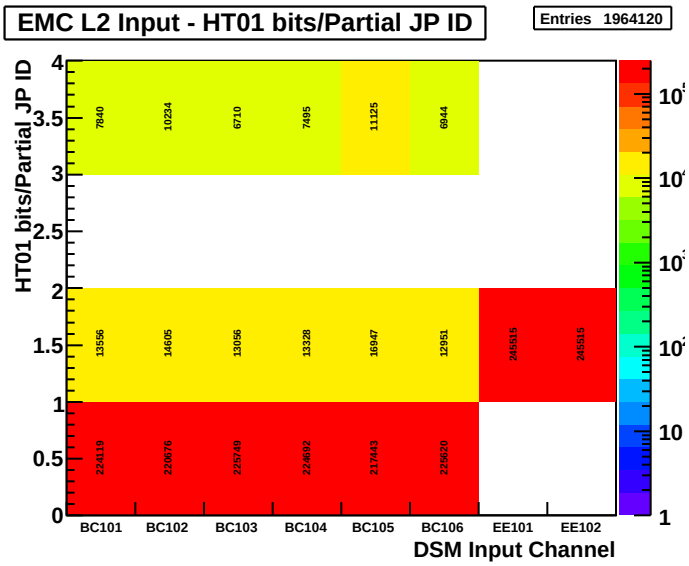

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

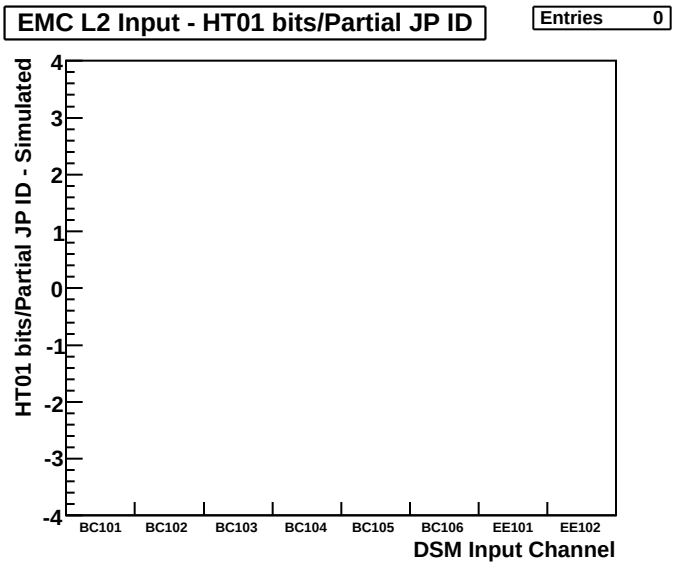

EMC L2 Input - JPZ/JPC bits
Entries 1964120
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
144902 140605 143933 145738 147286 145366 245515 245515
15849 15908 15683 16134 15849 15642
8002 7925 7869 8153 7951 7694
76762 81077 78030 75490 74429 76813

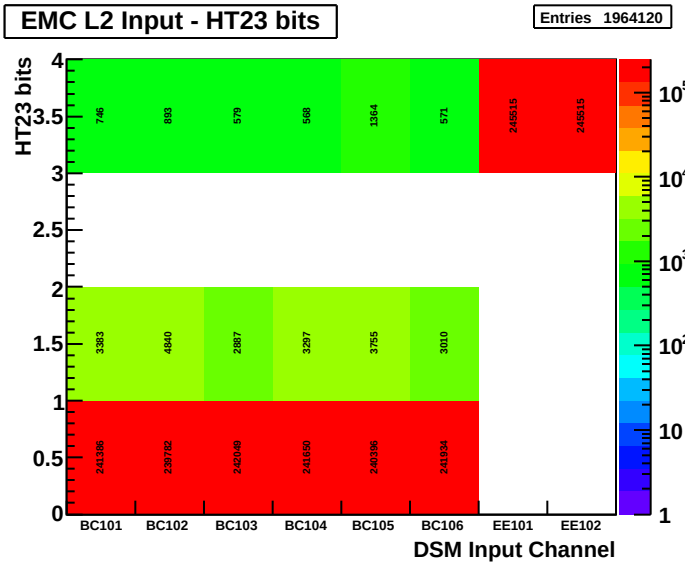

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

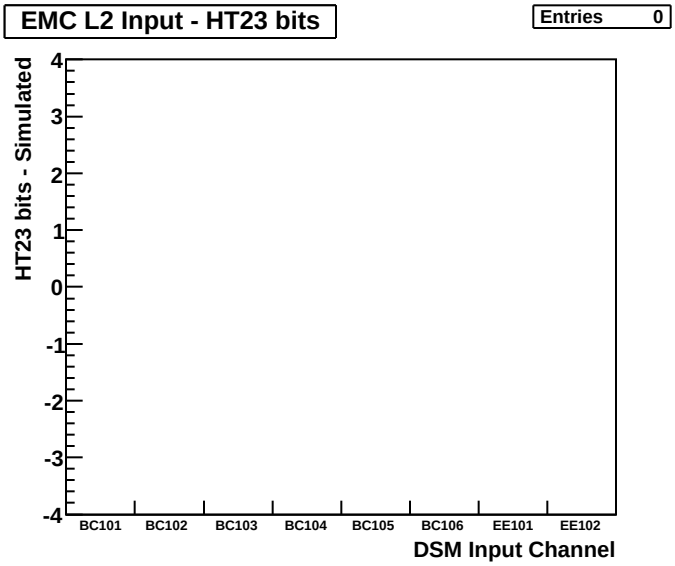

EMC L2 Input - Partial JP Sum
Entries 1964120
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

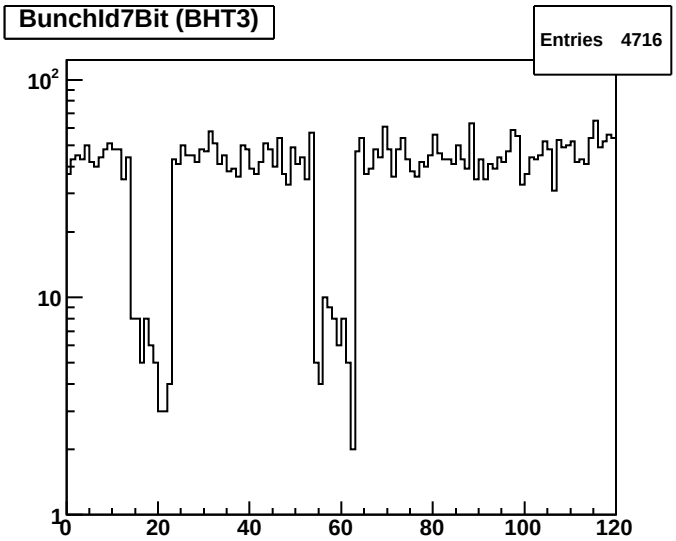

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

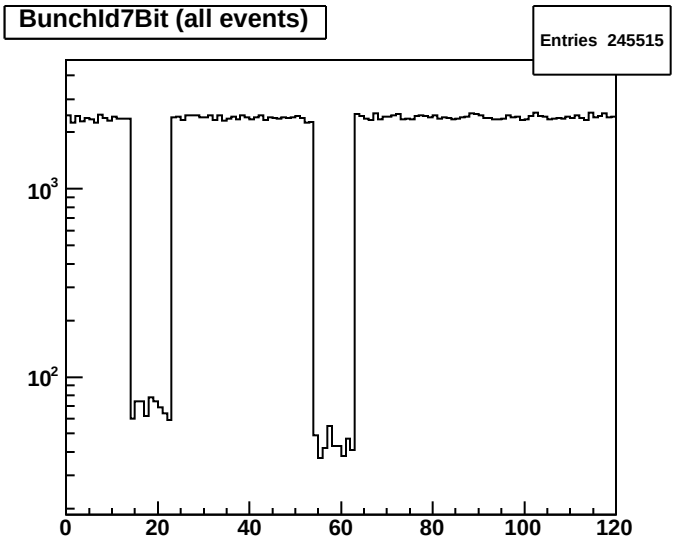

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1964120
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

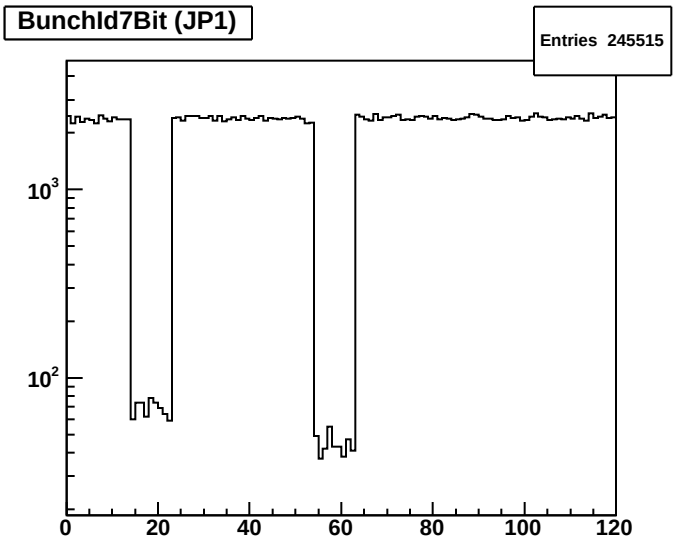

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

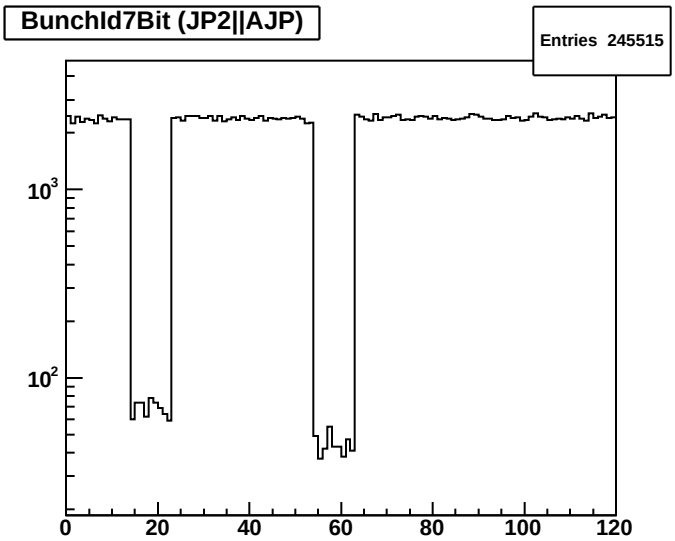

EMC L2 Input - HT23 bits
Entries 1964120
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

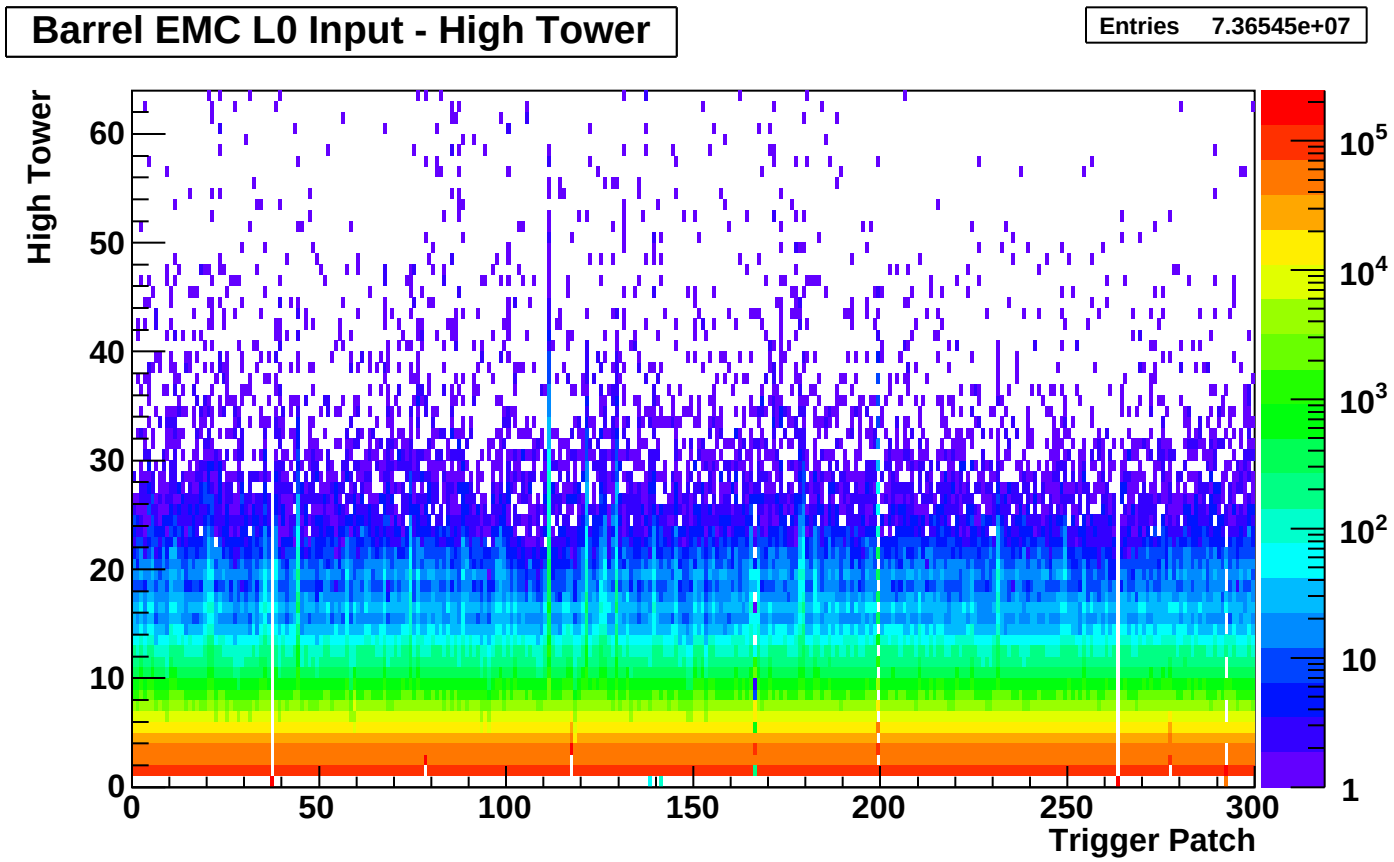

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

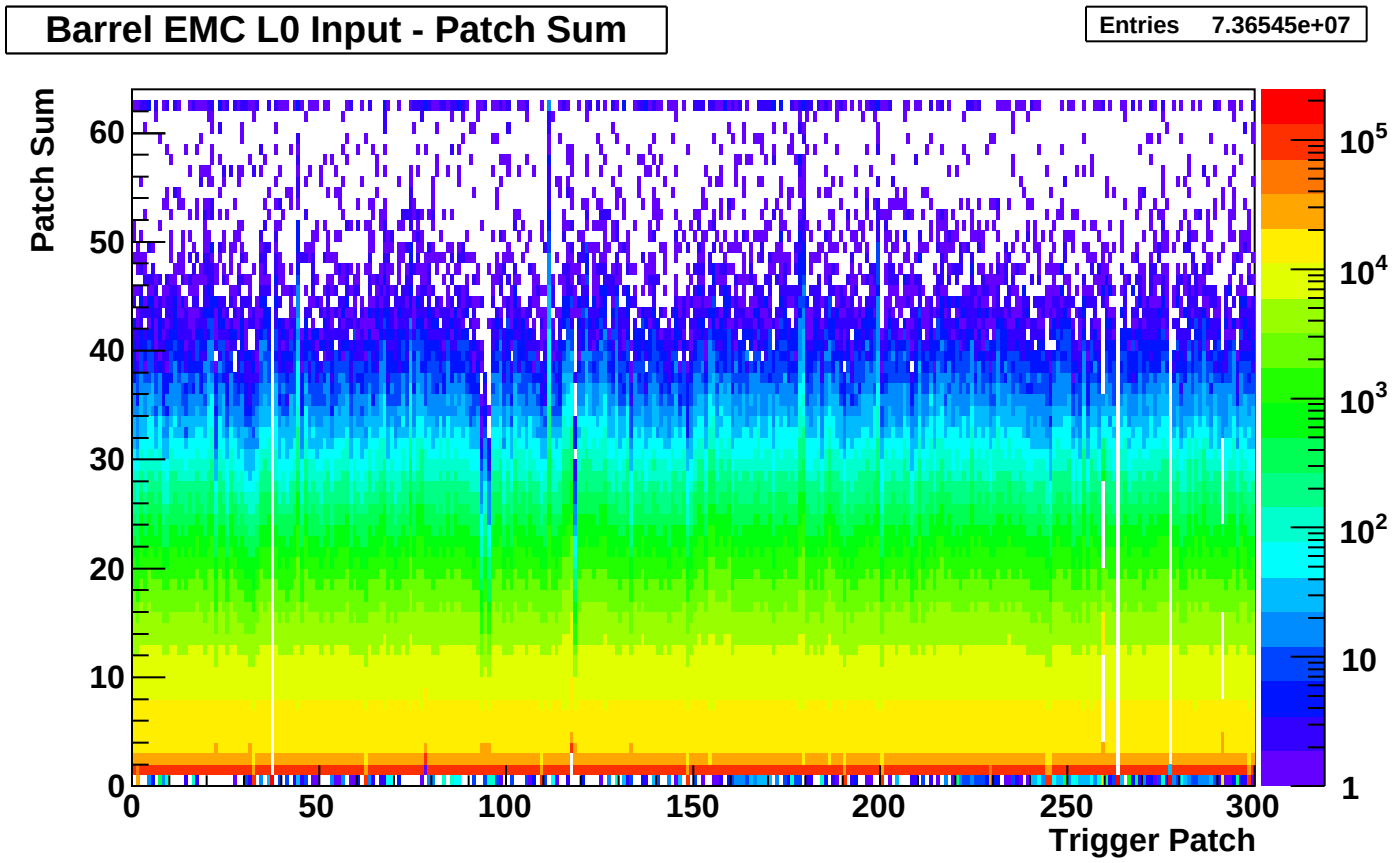

BunchId7Bit (BHT3)
Entries 4716
10^2
10
1
0
20
40
60
80
100
120

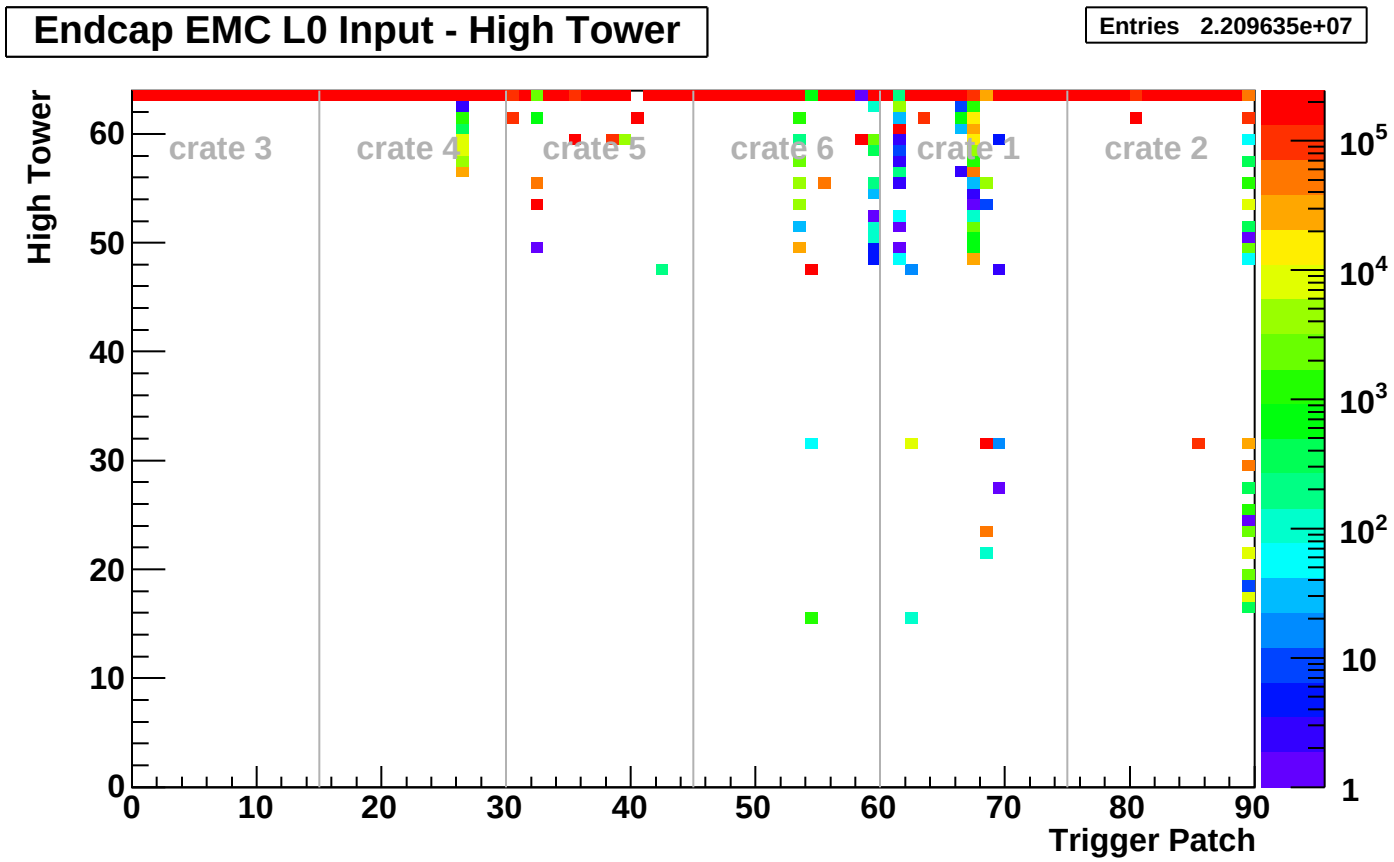

BunchId7Bit (all events)
Entries 245515
10^3
10^2
0
20
40
60
80
100
120

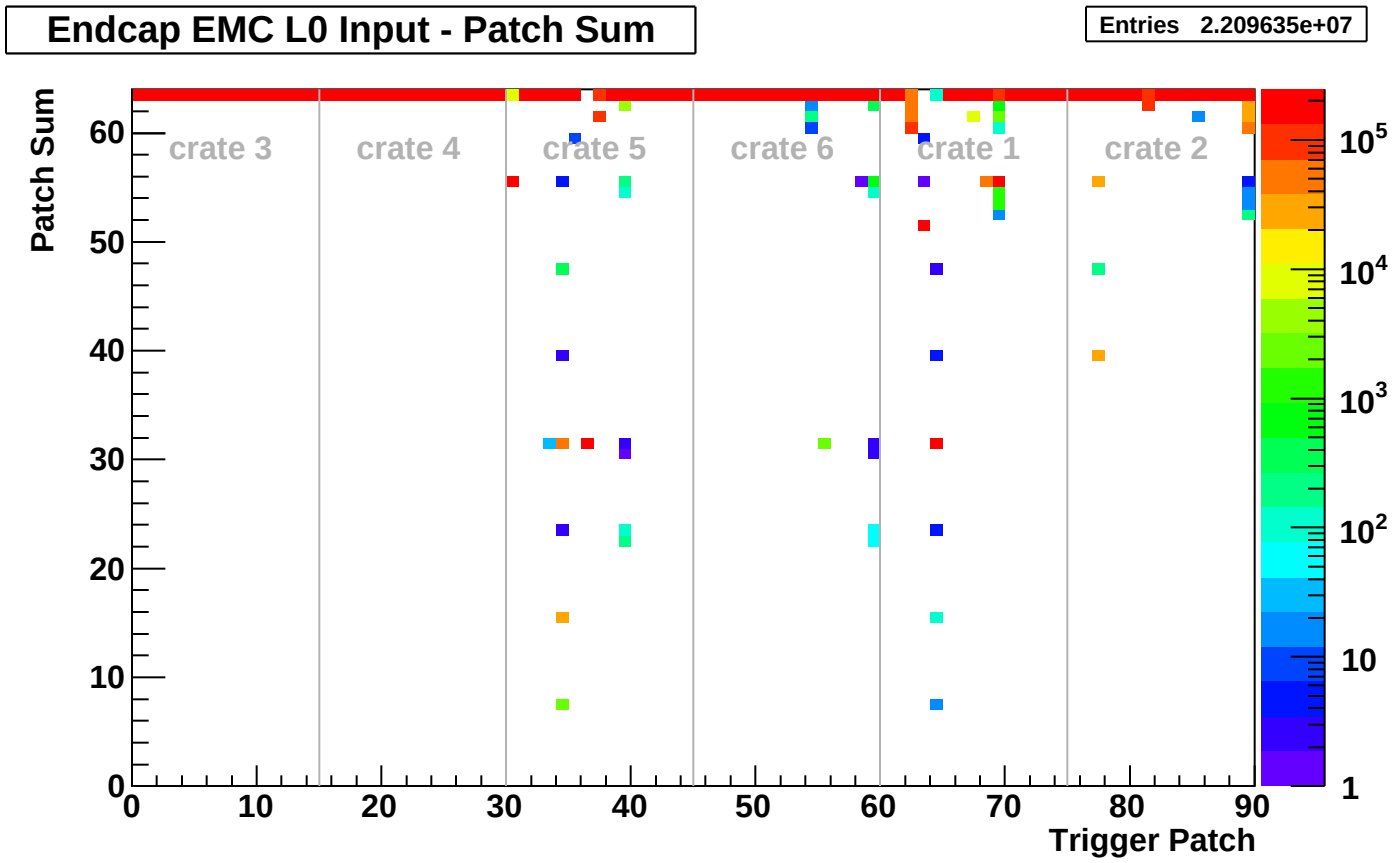

BunchId7Bit (JP1)
Entries 245515
10^3
10^2
0
20
40
60
80
100
120

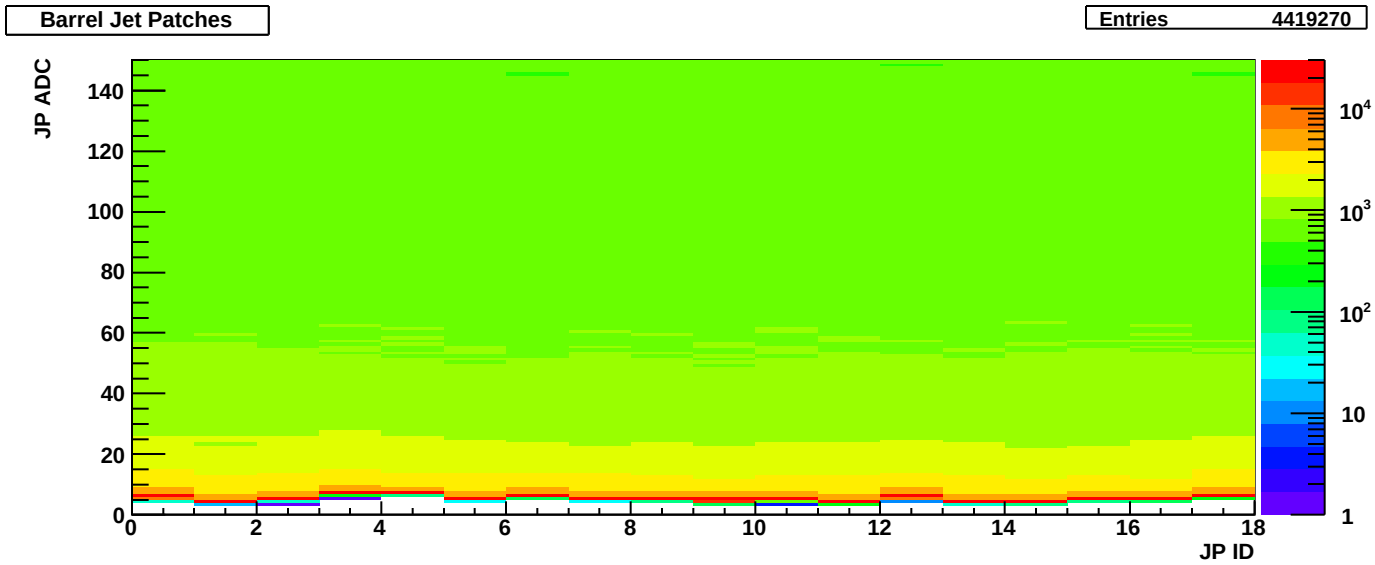

BunchId7Bit (JP2||AJP)
Entries 245515
10^3
10^2
0
20
40
60
80
100
120

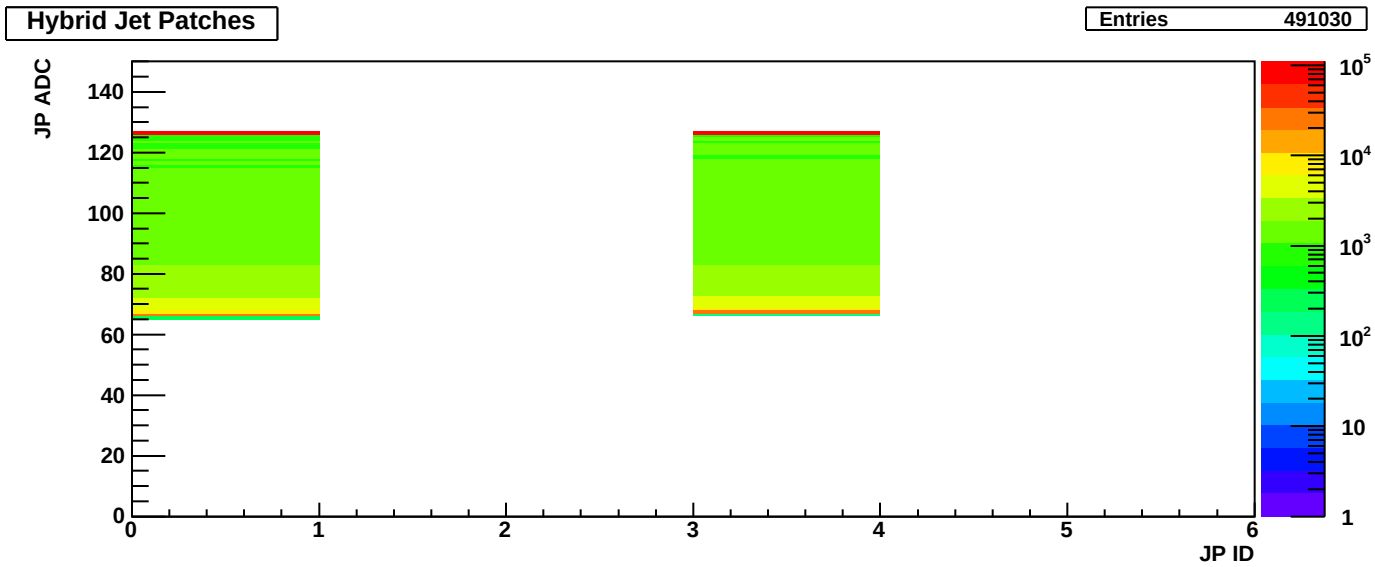

Barrel EMC L0 Input - High Tower
Entries 7.36545e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

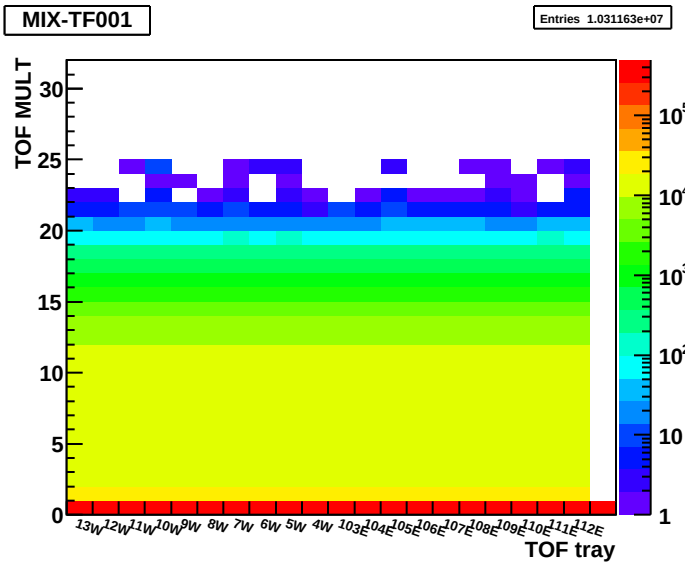

Barrel EMC L0 Input - Patch Sum
Entries 7.36545e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

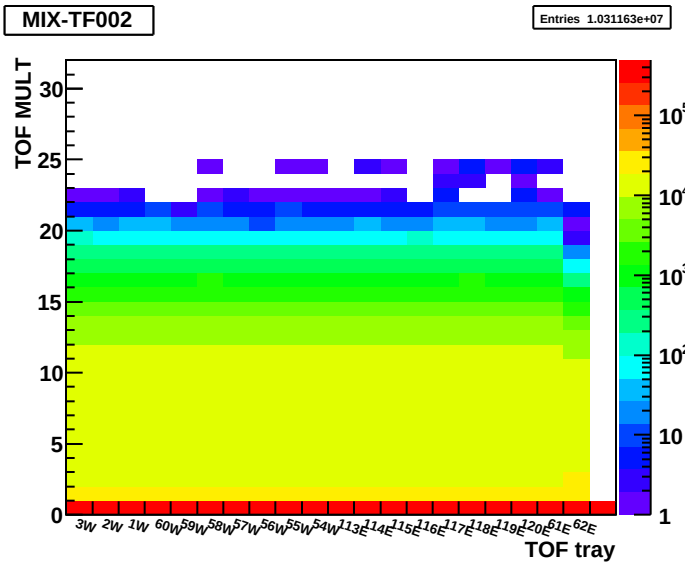

Endcap EMC L0 Input - High Tower
Entries 2.209635e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

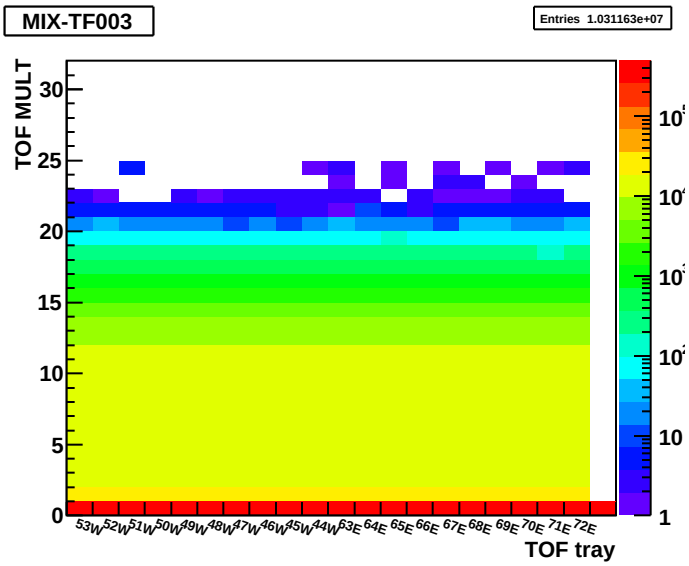

Endcap EMC L0 Input - Patch Sum
Entries 2.209635e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

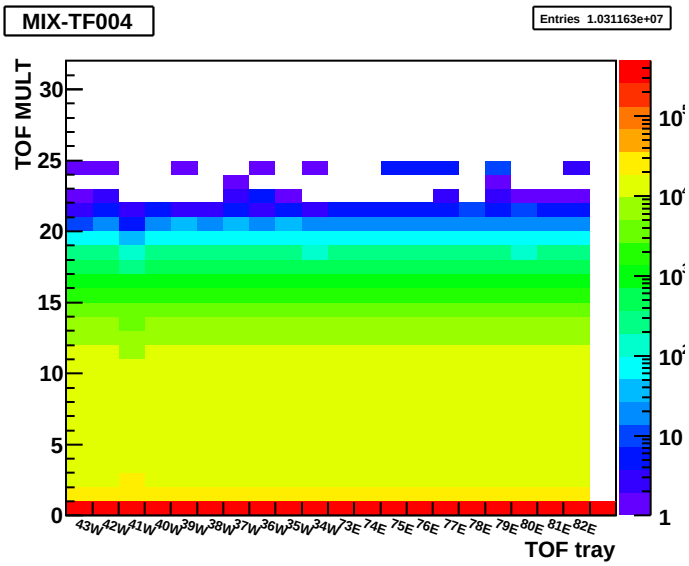

Barrel Jet Patches
Entries 4419270
JP ADC
JP ID

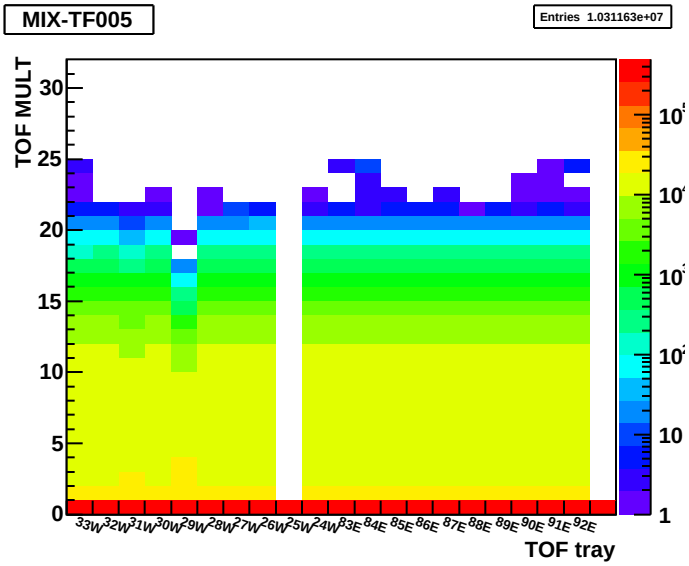

Hybrid Jet Patches
Entries 491030
JP ADC
JP ID

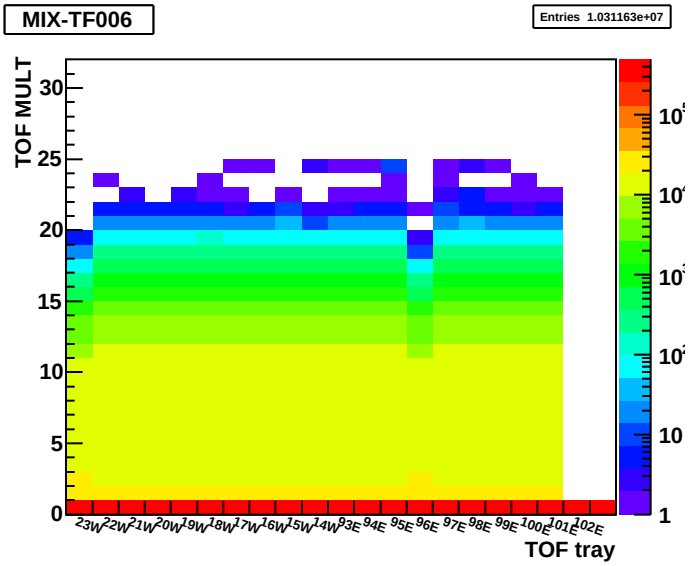

MIX-TF001
Entries 1.031163e+07
TOF MULT
TOF tray

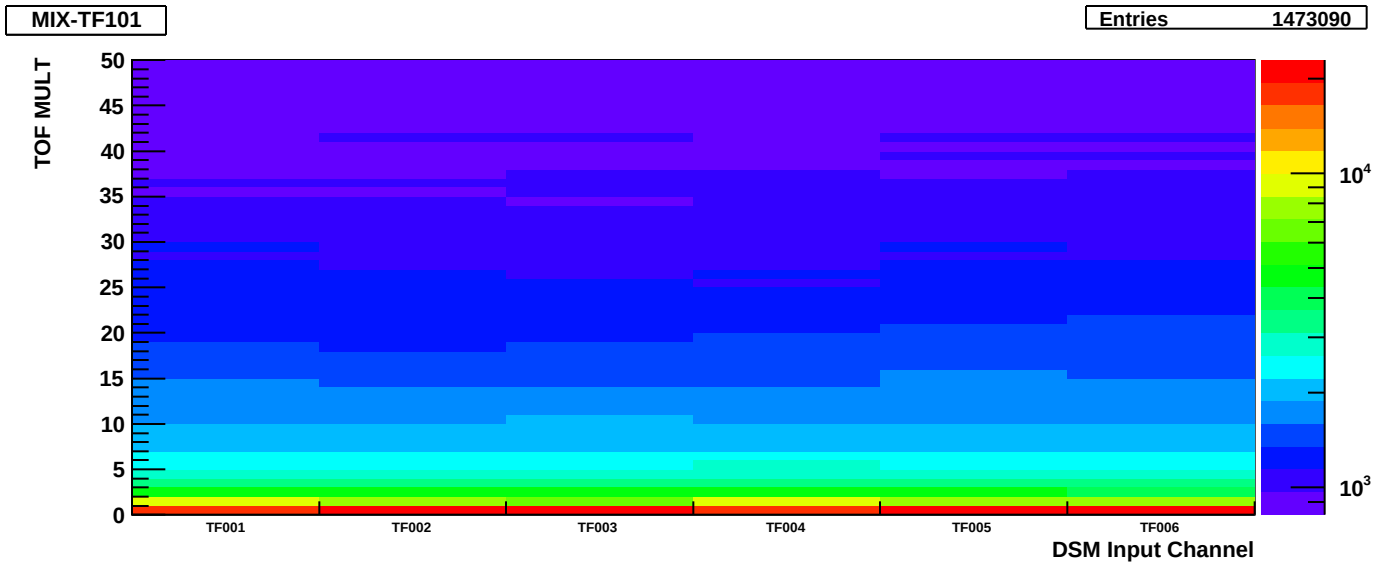

MIX-TF002
Entries 1.031163e+07
TOF MULT
TOF tray

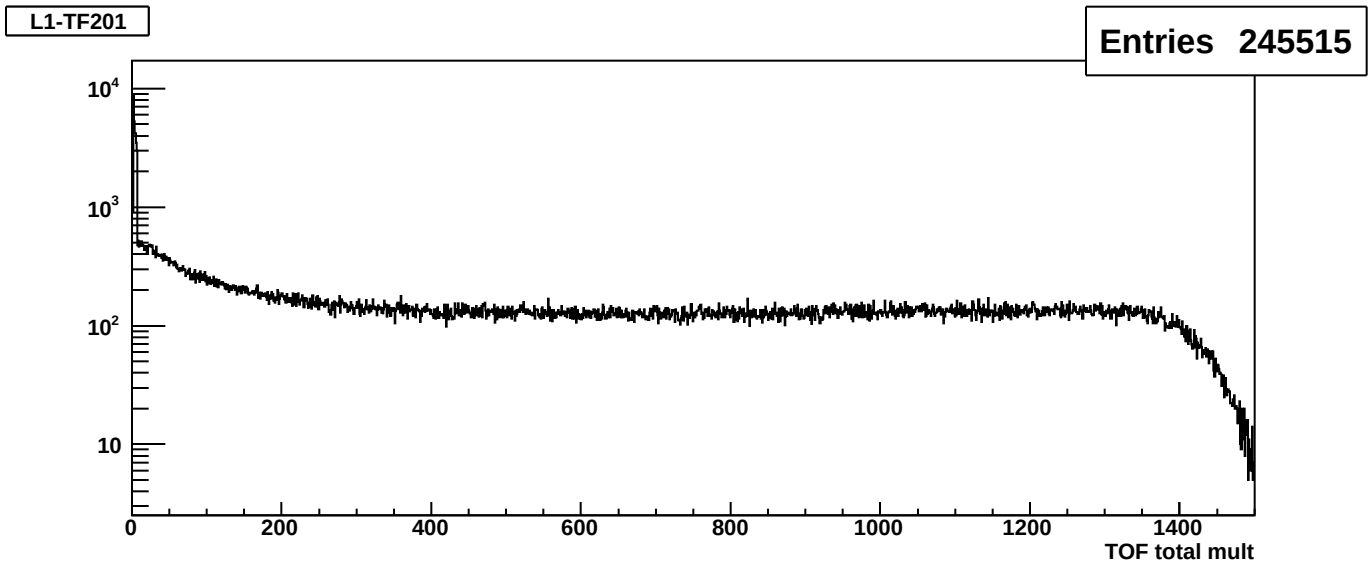

MIX-TF003
Entries 1.031163e+07
TOF MULT
TOF tray

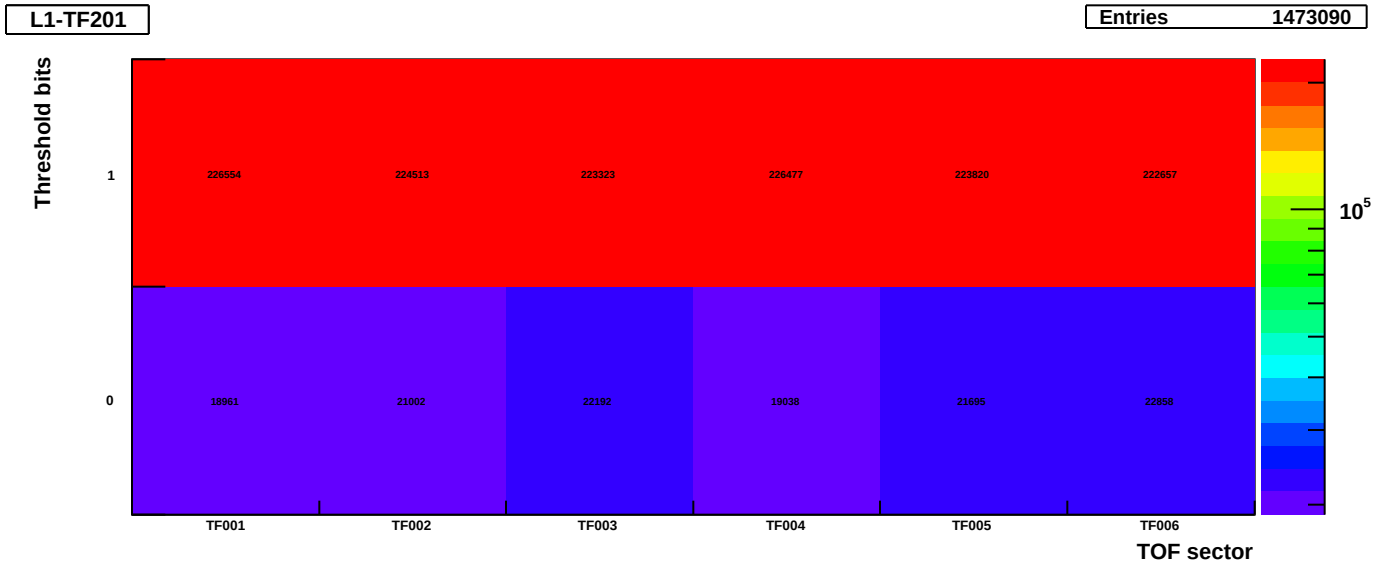

MIX-TF004
Entries 1.031163e+07
TOF MULT
TOF tray

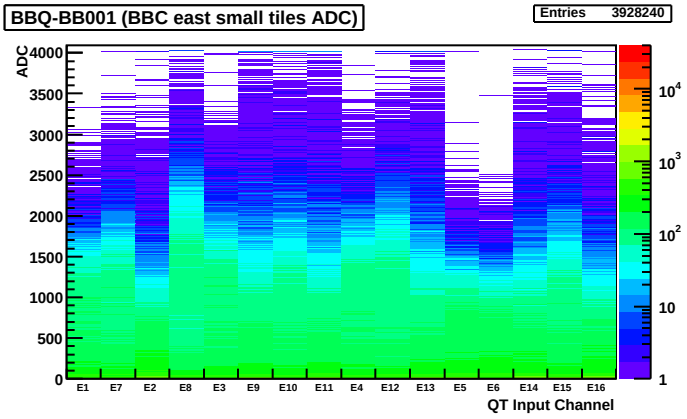

MIX-TF005
Entries 1.031163e+07
TOF MULT
TOF tray

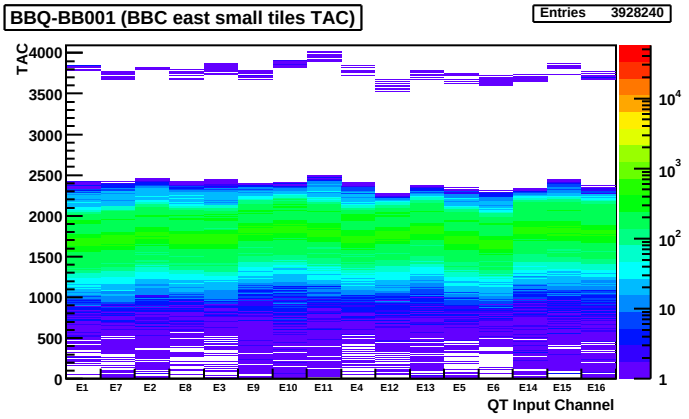

MIX-TF006
Entries 1.031163e+07
TOF MULT
TOF tray

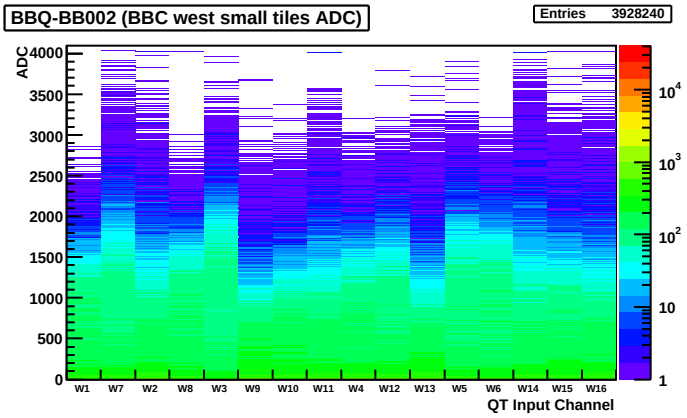

MIX-TF101
Entries 1473090
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

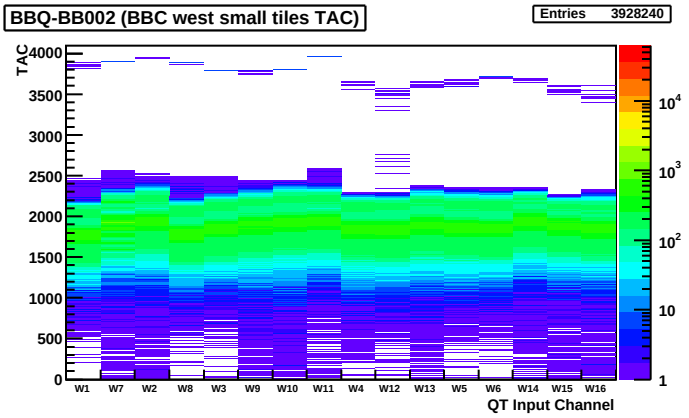

L1-TF201
Entries 245515
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

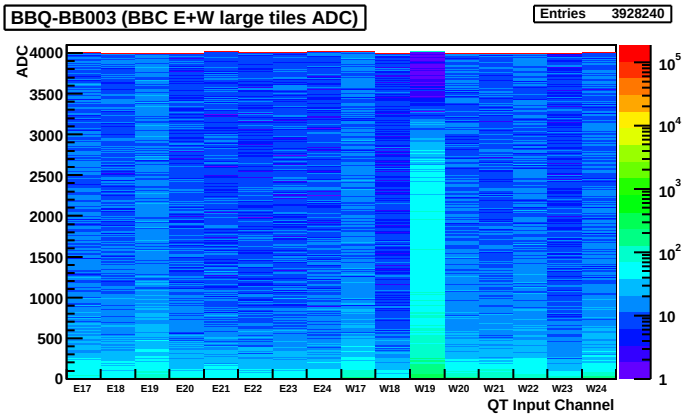

L1-TF201
Entries 1473090
Threshold bits
1
0
226554
224513
223323
226477
223820
222657
18961
21002
22192
19038
21695
22858
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

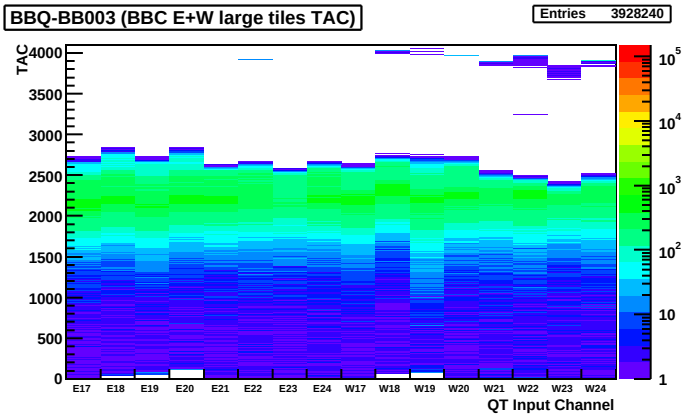

BBQ-BB001 (BBC east small tiles ADC)
Entries 3928240
ADC
QT Input Channel

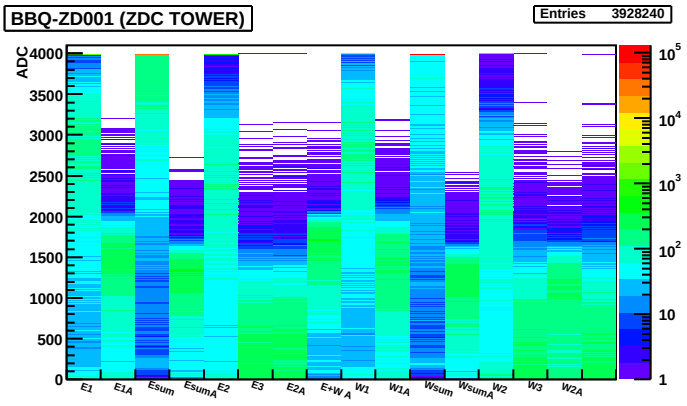

BBQ-BB001 (BBC east small tiles TAC)
Entries 3928240
TAC
QT Input Channel

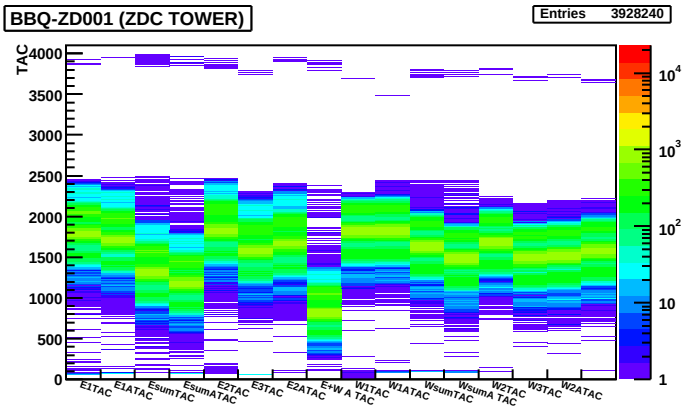

BBQ-BB002 (BBC west small tiles ADC)
Entries 3928240
ADC
QT Input Channel

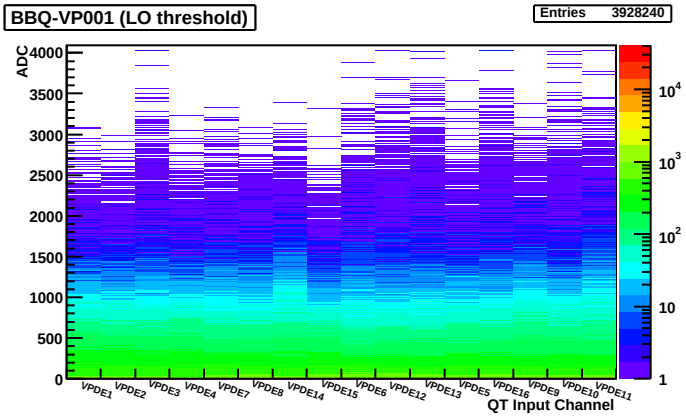

BBQ-BB002 (BBC west small tiles TAC)
Entries 3928240
TAC
QT Input Channel

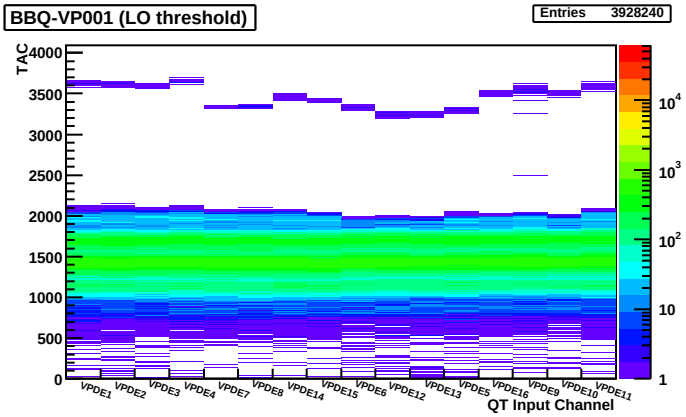

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3928240
ADC
QT Input Channel

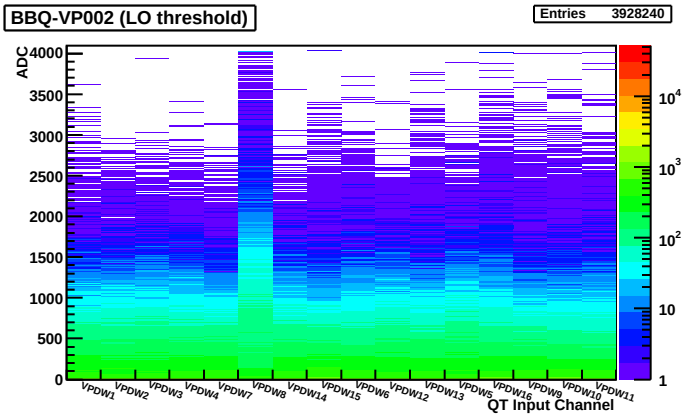

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3928240
TAC
QT Input Channel

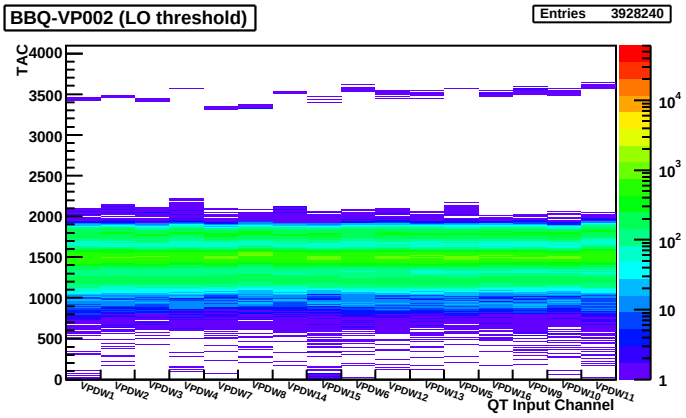

BBQ-ZD001 (ZDC TOWER)
Entries 3928240
ADC

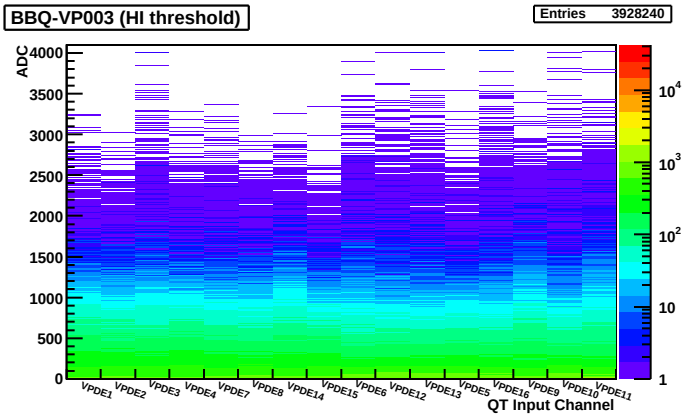

BBQ-ZD001 (ZDC TOWER)
Entries 3928240
TAC

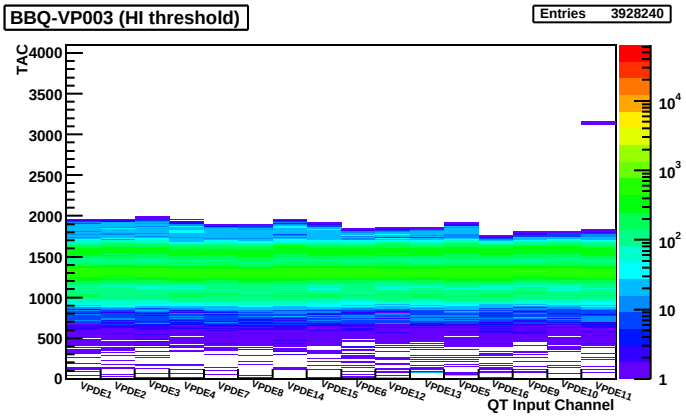

BBQ-VP001 (LO threshold)
Entries 3928240
ADC
QT Input Channel

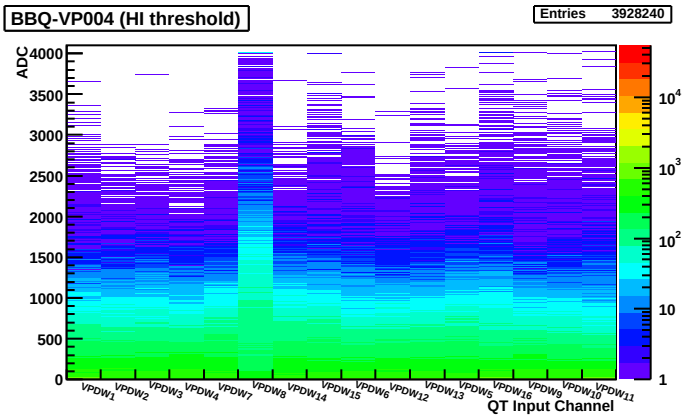

BBQ-VP001 (LO threshold)
Entries 3928240
TAC
QT Input Channel

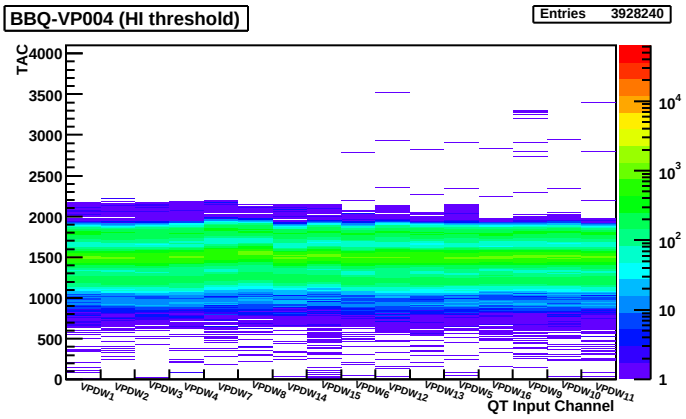

BBQ-VP002 (LO threshold)
Entries 3928240
ADC
QT Input Channel

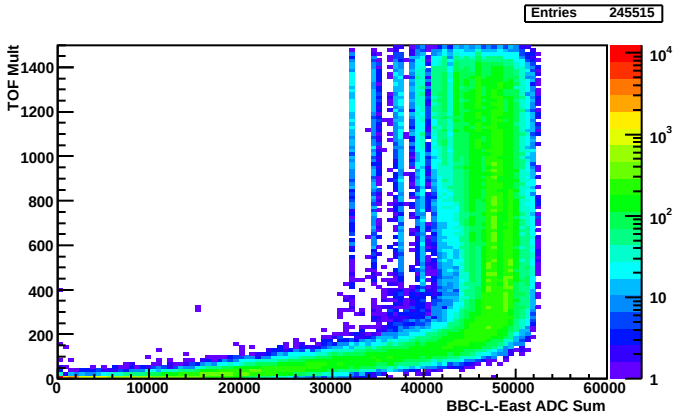

BBQ-VP002 (LO threshold)
Entries 3928240
TAC
QT Input Channel

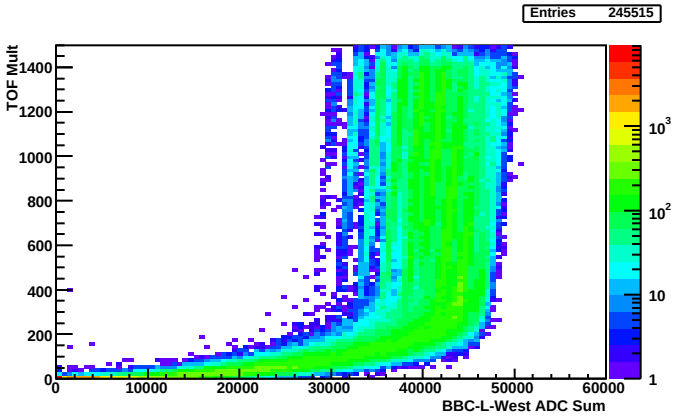

BBQ-VP003 (HI threshold)
Entries 3928240
ADC
QT Input Channel

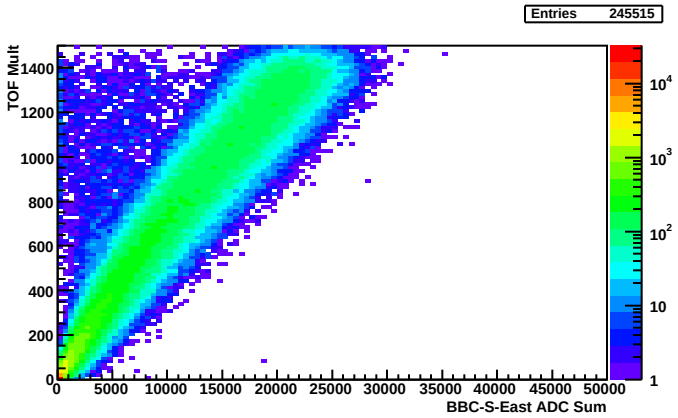

BBQ-VP003 (HI threshold)
Entries 3928240
TAC
QT Input Channel

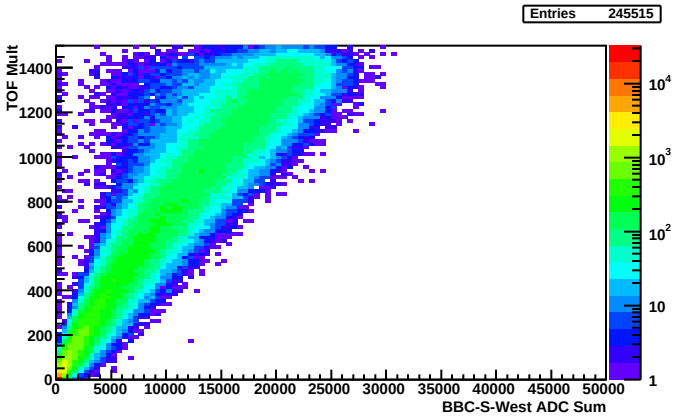

BBQ-VP004 (HI threshold)
Entries 3928240
ADC
QT Input Channel

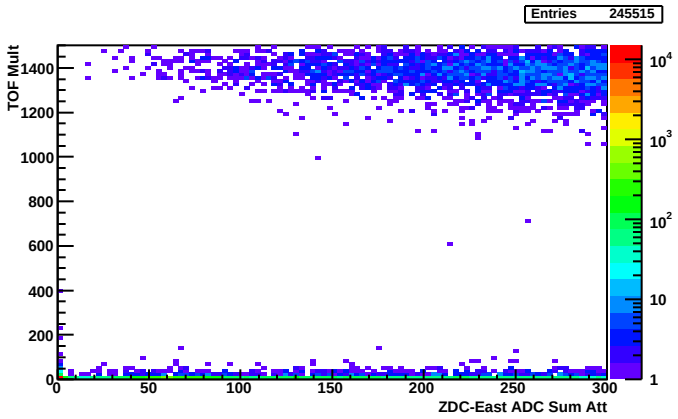

BBQ-VP004 (HI threshold)
Entries 3928240
TAC
QT Input Channel


Entries 245515
TOF Mult
BBC-L-East ADC Sum


Entries 245515
TOF Mult
BBC-L-West ADC Sum


Entries 245515
TOF Mult
BBC-S-East ADC Sum


Entries 245515
TOF Mult
BBC-S-West ADC Sum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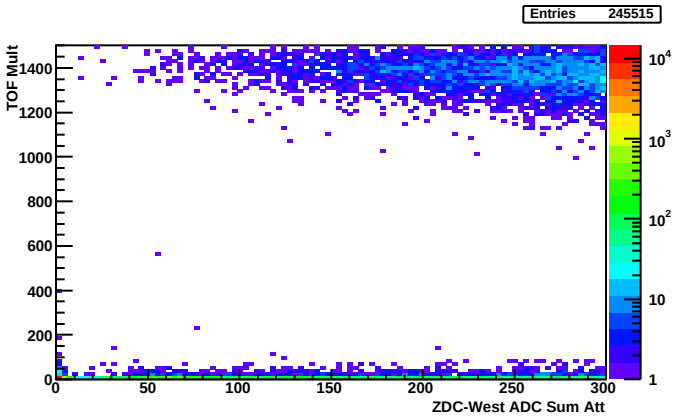
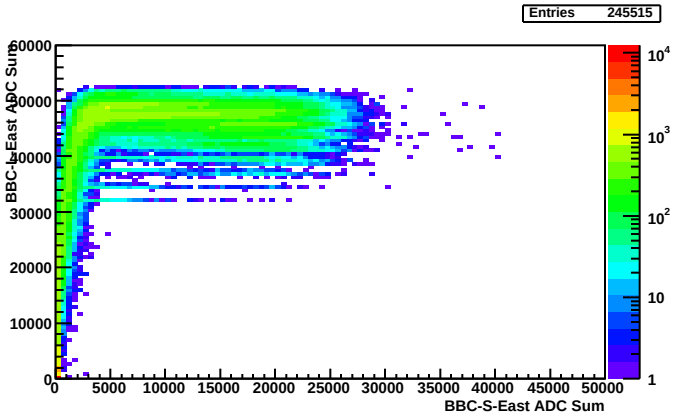
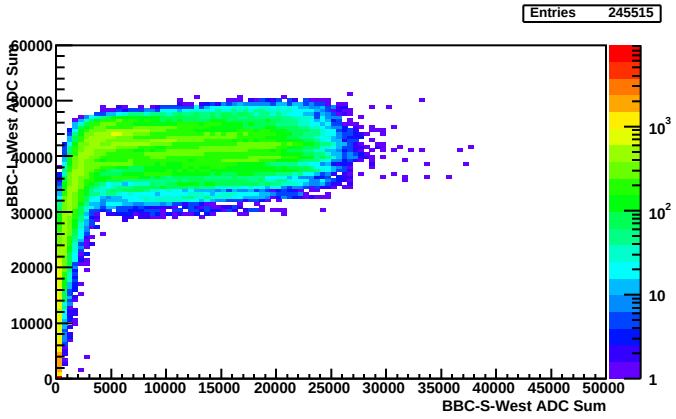
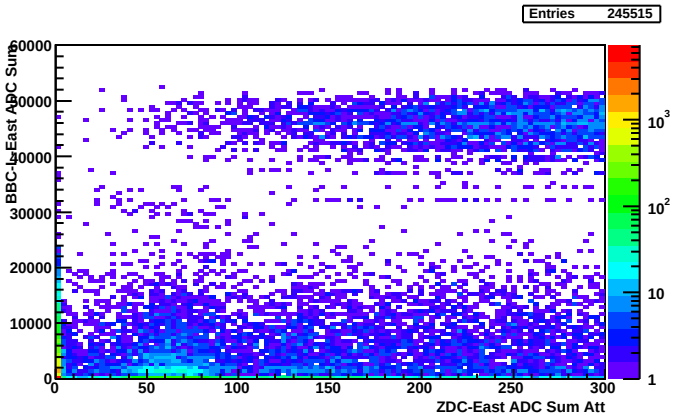
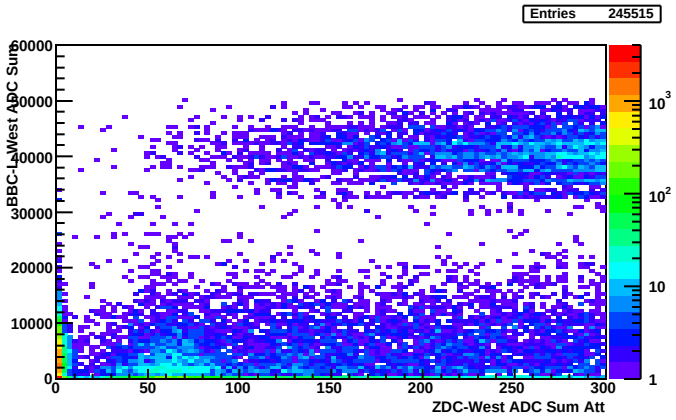
TOF Mult
ZDC-East ADC Sum Att


Entries 245515
TOF Mult
ZDC-West ADC Sum Att


Entries 245515
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 245515
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 245515
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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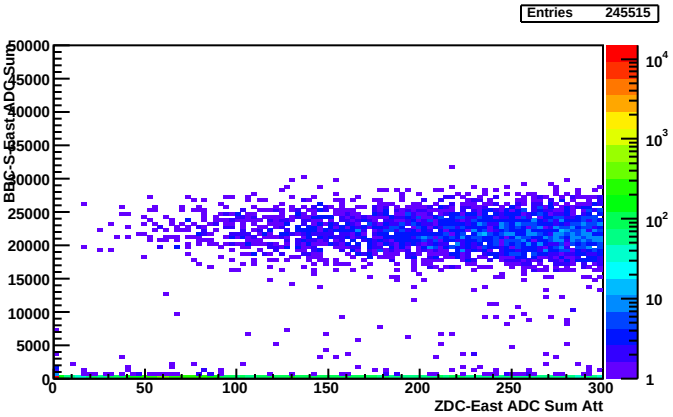
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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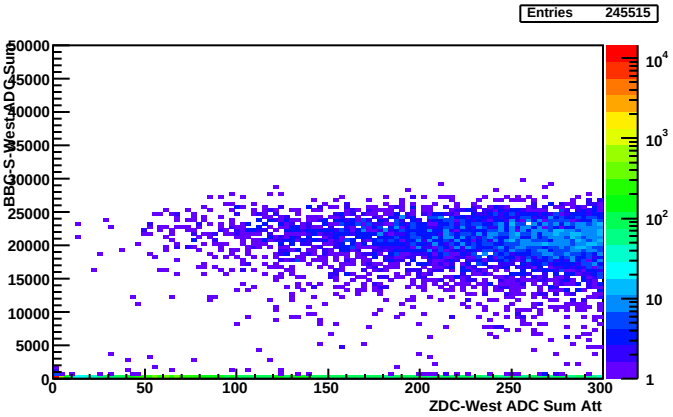
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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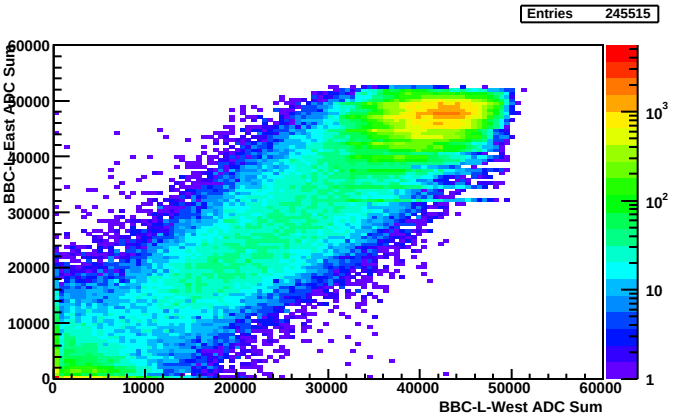
ZDC-West ADC Sum Att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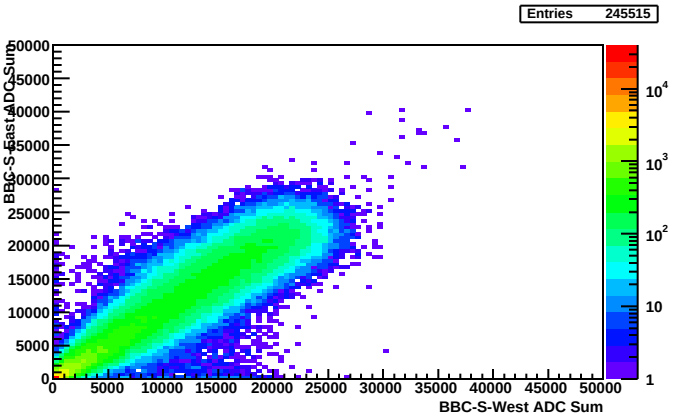
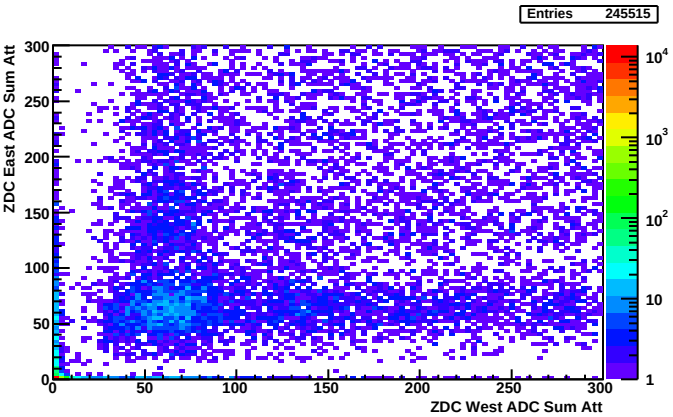
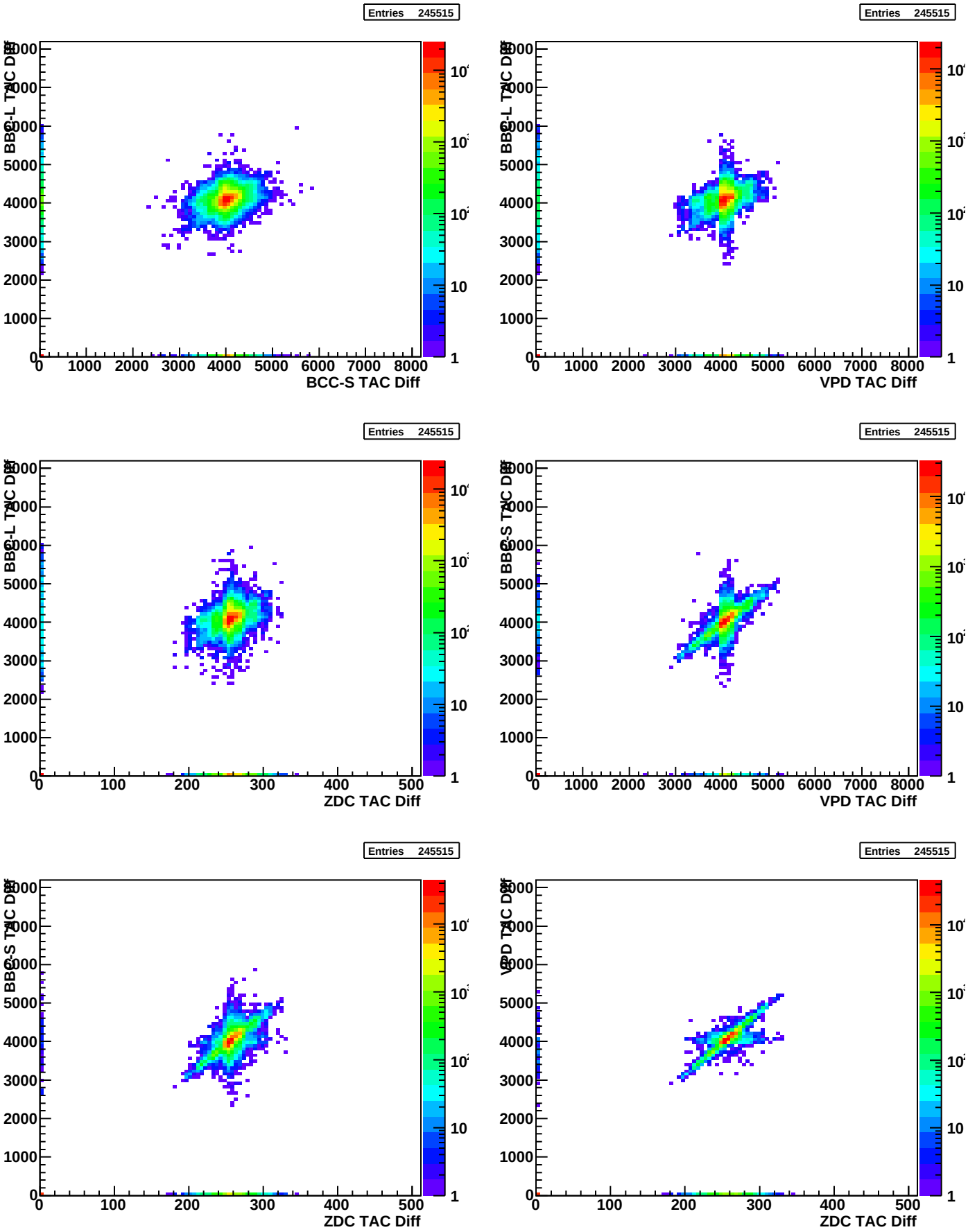
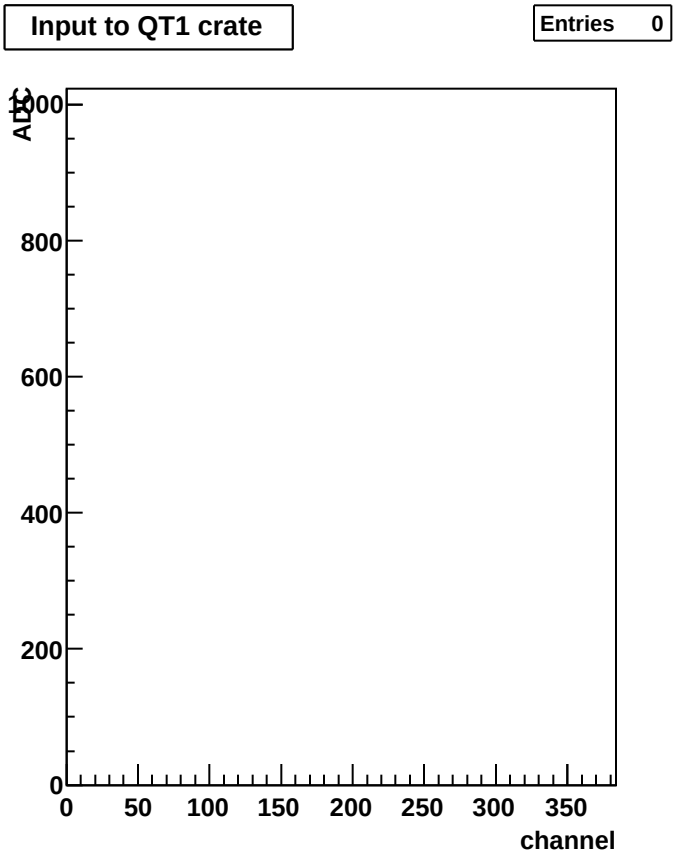
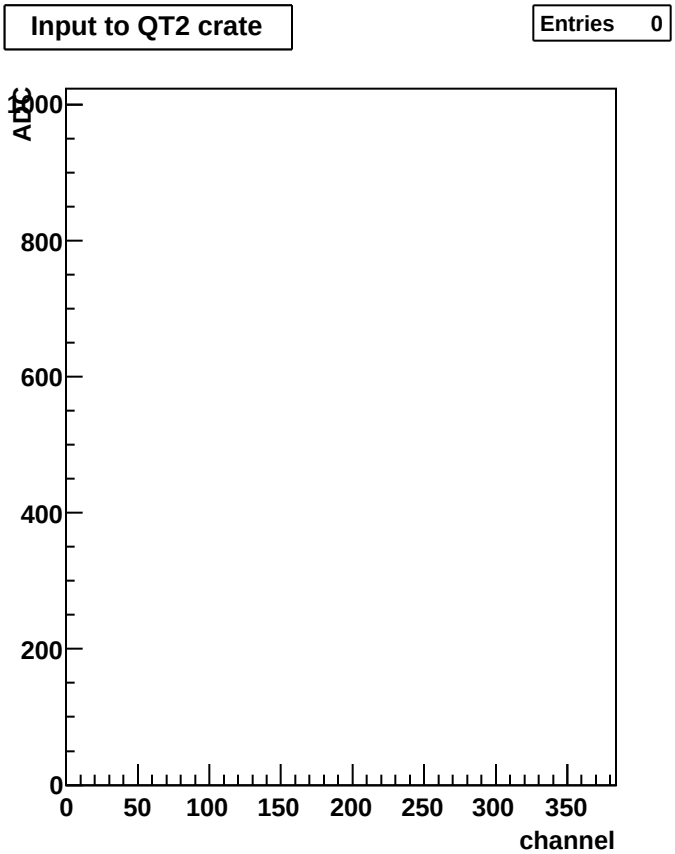
BBC-L-East ADC Sum
BBC-L-West ADC Sum

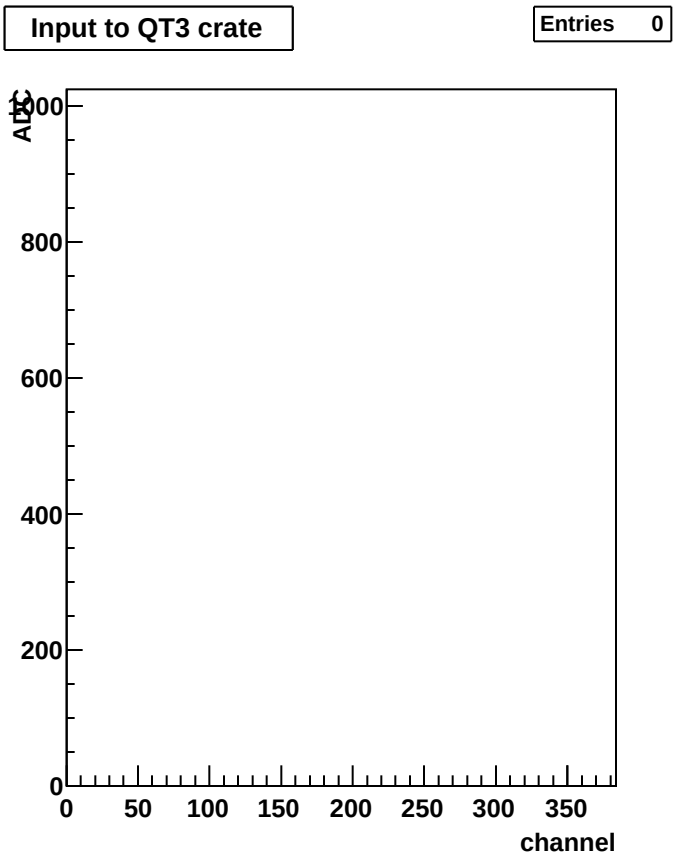

Entries 245515
BBC-S-East ADC Sum
BBC-S-West ADC Sum

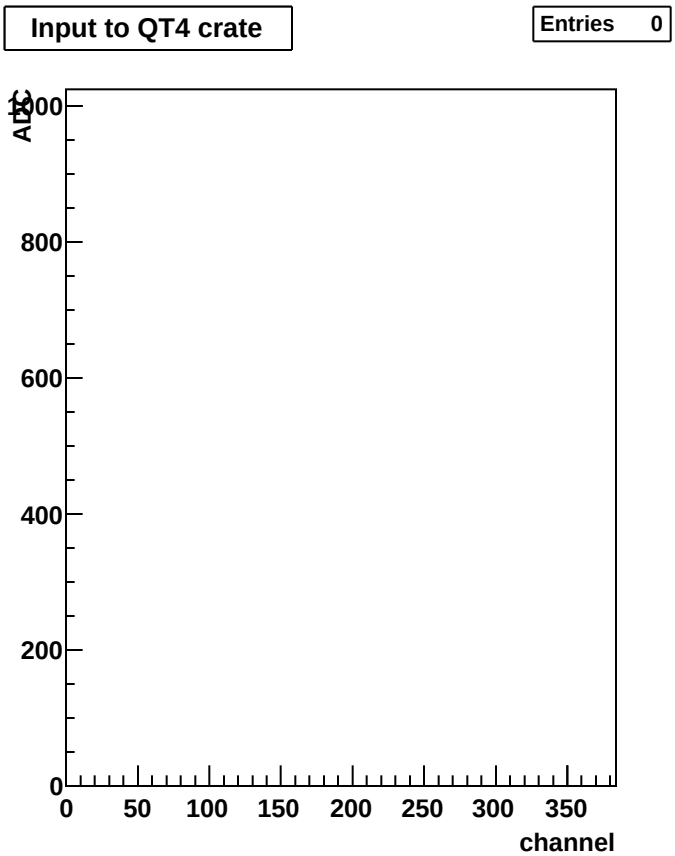

Entries 245515
ZDC East ADC Sum Att
ZDC West ADC Sum Att

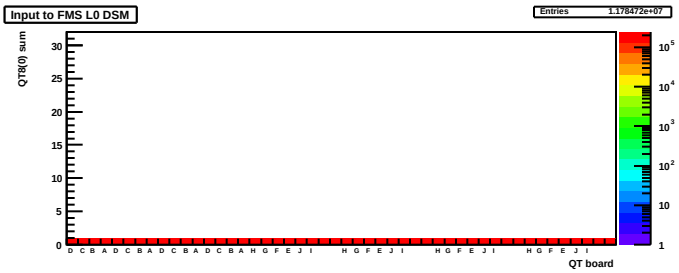

Entries 245515
BBC-L TAC Diff
BCC-S TAC Diff
Entries 245515
BBC-L TAC Diff
VPD TAC Diff
Entries 245515
BBC-L TAC Diff
ZDC TAC Diff
Entries 245515
BBC-S TAC Diff
VPD TAC Diff
Entries 245515
BBC-S TAC Diff
ZDC TAC Diff
Entries 245515
VPD TAC Diff
ZDC TAC Diff

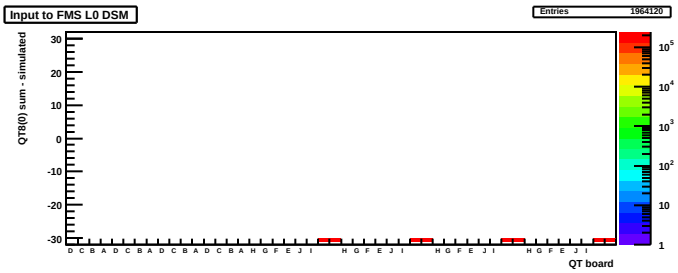

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

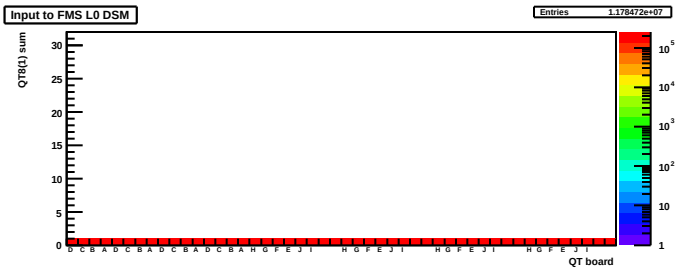

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

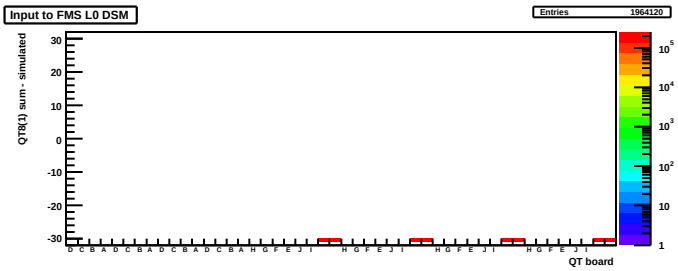

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

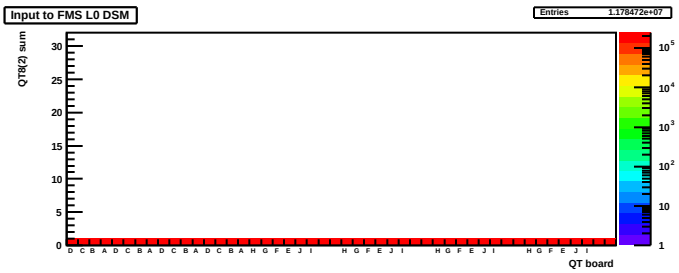

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

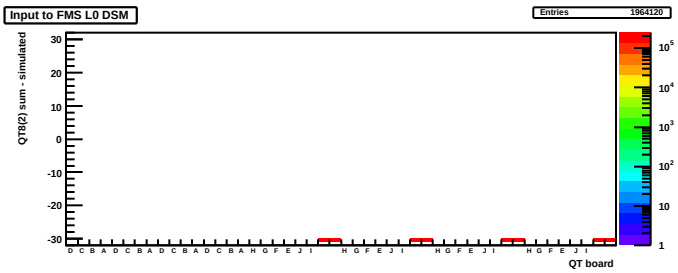

Input to FMS L0 DSM
Entries 1.178472e+07
QT8(0) sum
QT board

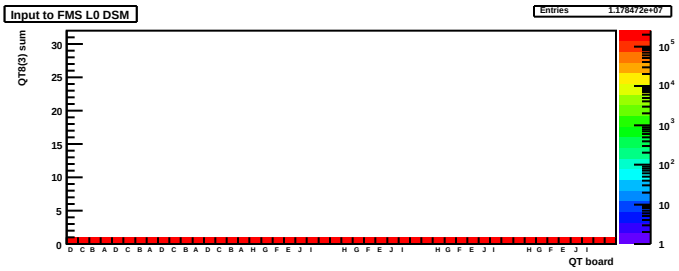

Input to FMS L0 DSM
Entries 1964120
QT8(0) sum - simulated
QT board

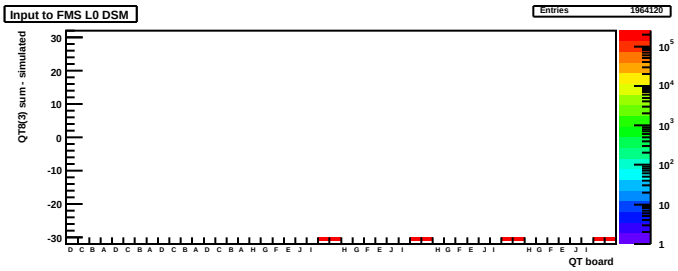

Input to FMS L0 DSM
Entries 1.178472e+07
QT8(1) sum
QT board

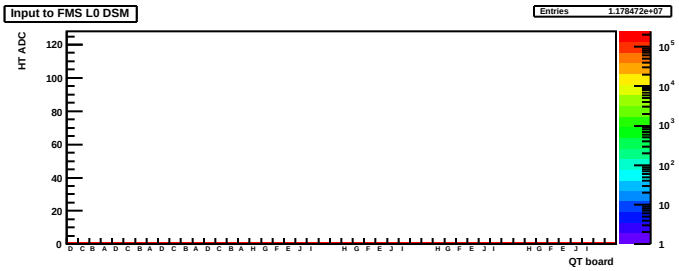

Input to FMS L0 DSM
Entries 1964120
QT8(1) sum - simulated
QT board

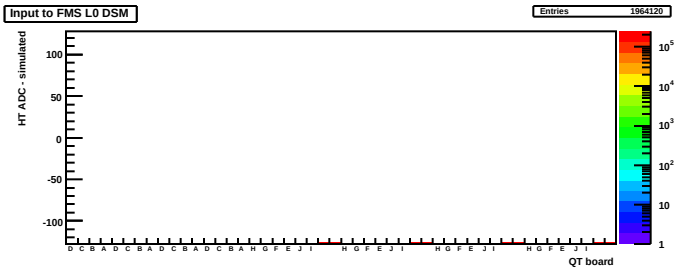

Input to FMS L0 DSM
Entries 1.178472e+07
QT8(2) sum
QT board

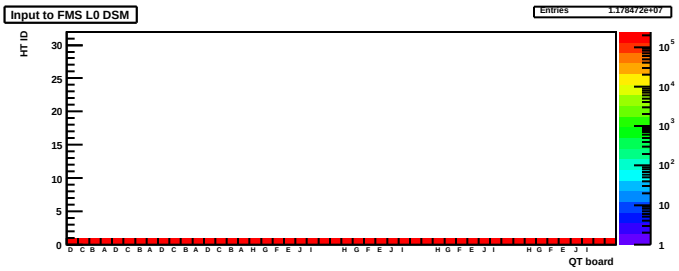

Input to FMS L0 DSM
Entries 1964120
QT8(2) sum - simulated
QT board

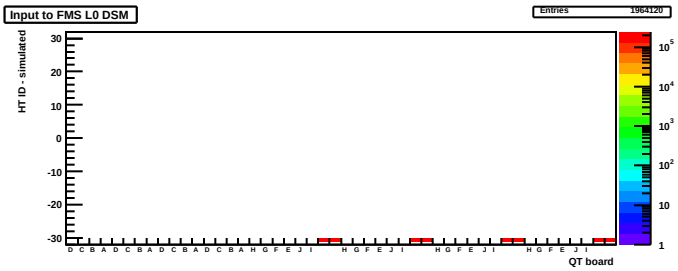

Input to FMS L0 DSM
Entries 1.178472e+07
QT8(3) sum
QT board

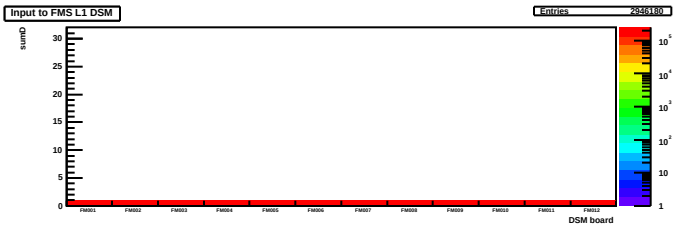

Input to FMS L0 DSM
Entries 1964120
QT8(3) sum - simulated
QT board

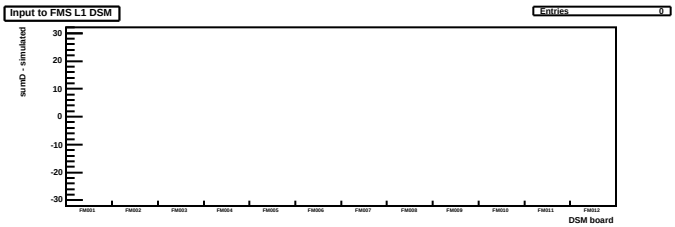

Input to FMS L0 DSM
Entries 1.178472e+07
HT ADC
QT board

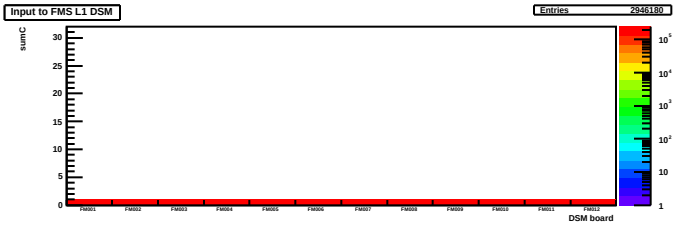

Input to FMS L0 DSM
Entries 1964120
HT ADC - simulated
QT board

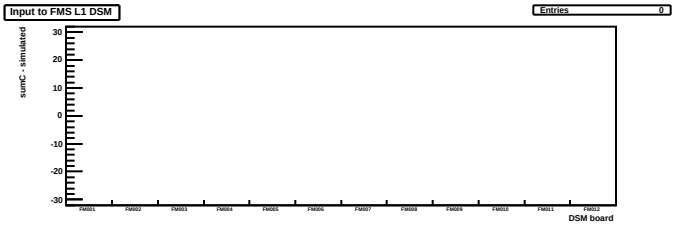

Input to FMS L0 DSM
Entries 1.178472e+07
HT ID
QT board

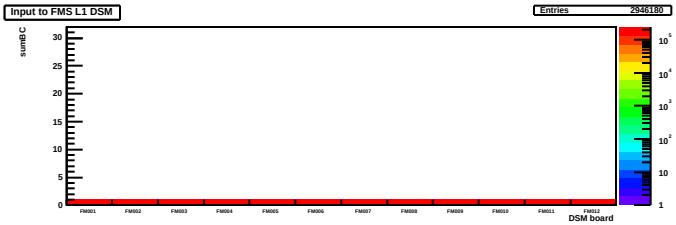

Input to FMS L0 DSM
Entries 1964120
HT ID - simulated
QT board

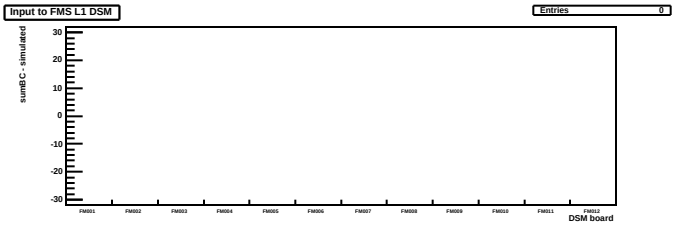

Input to FMS L1 DSM
Entries 2946180
sumD
DSM board

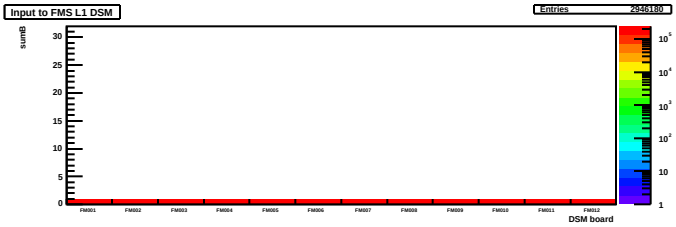

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

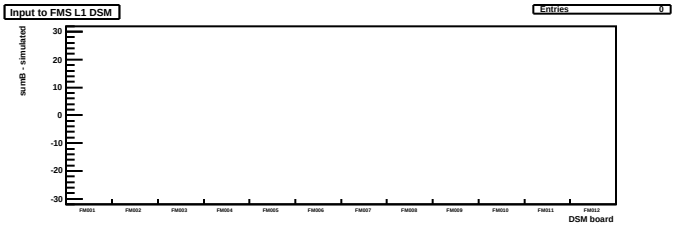

Input to FMS L1 DSM
Entries 2946180
sumC
DSM board

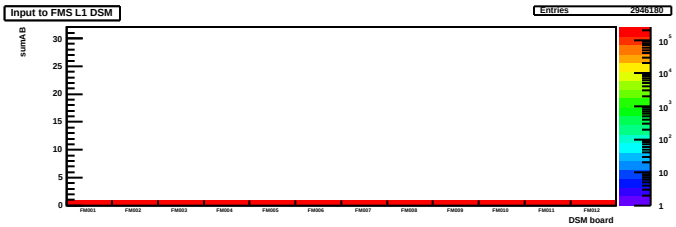

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

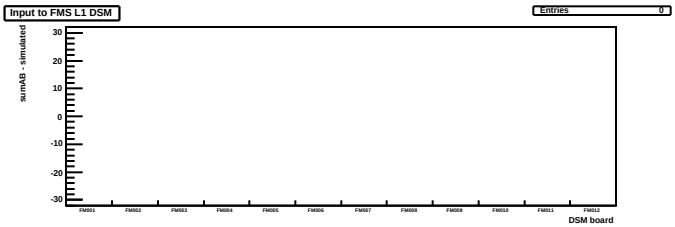

Input to FMS L1 DSM
Entries 2946180
sumBC
DSM board

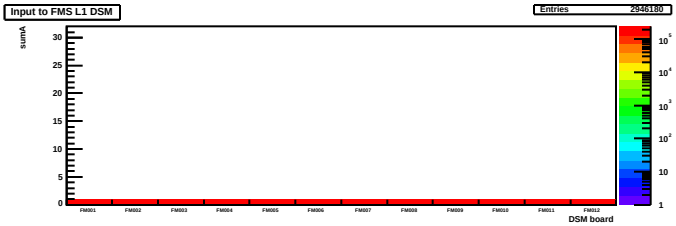

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

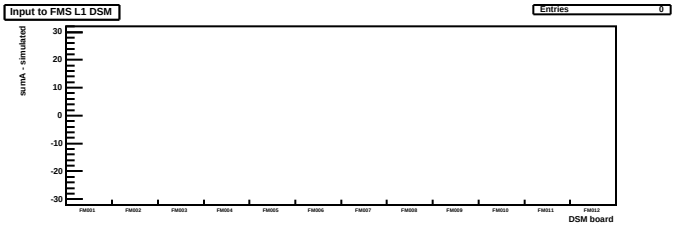

Input to FMS L1 DSM
Entries 2946180
sumB
DSM board

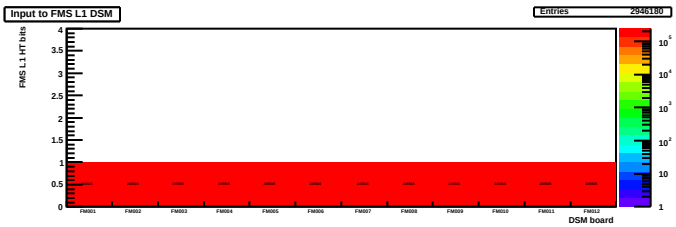

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

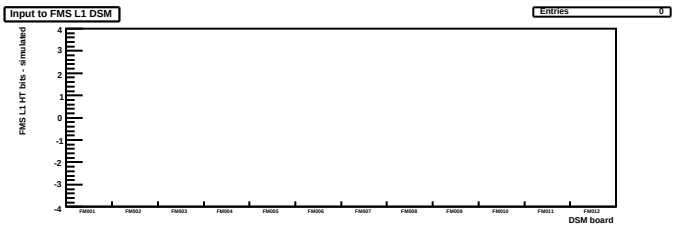

Input to FMS L1 DSM
Entries 2946180
sumAB
DSM board

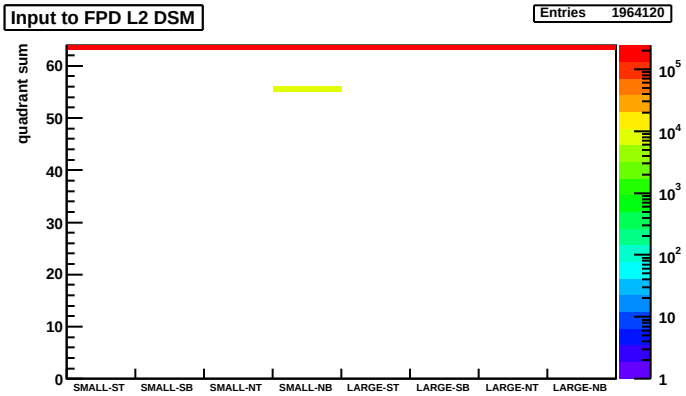

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

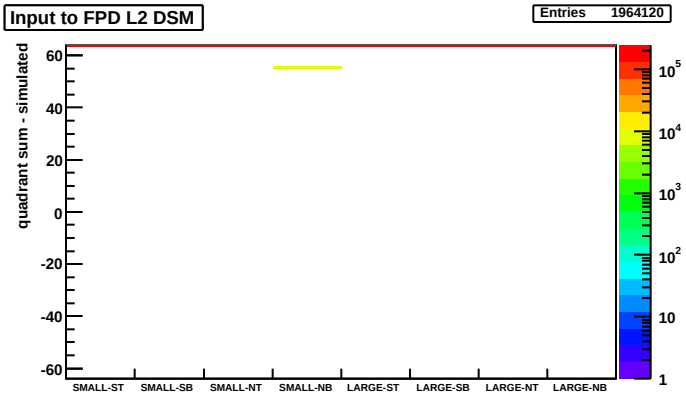

Input to FMS L1 DSM
Entries 2946180
sumA
DSM board

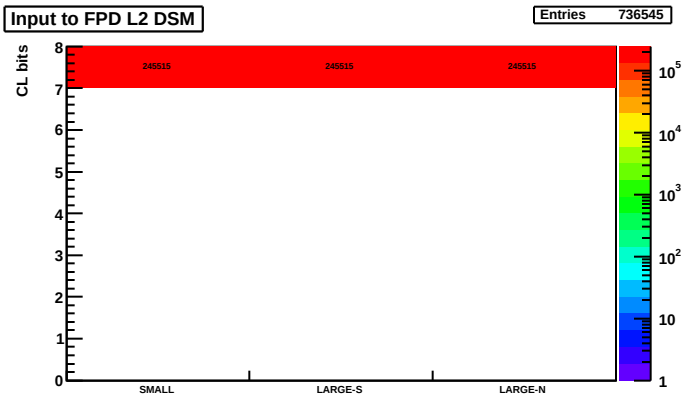

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

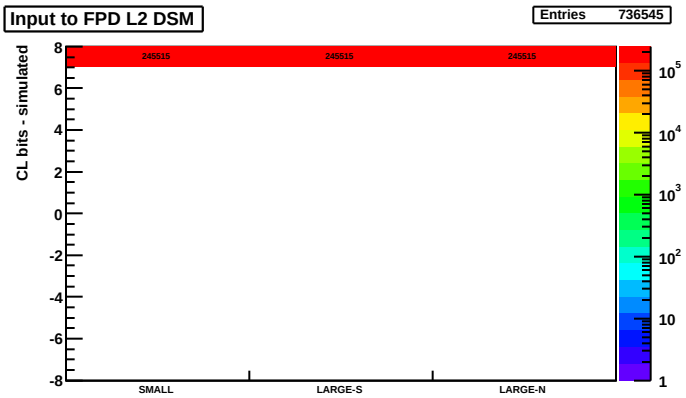

Input to FMS L1 DSM
Entries 2946180
FMS L1 HT bits
DSM board

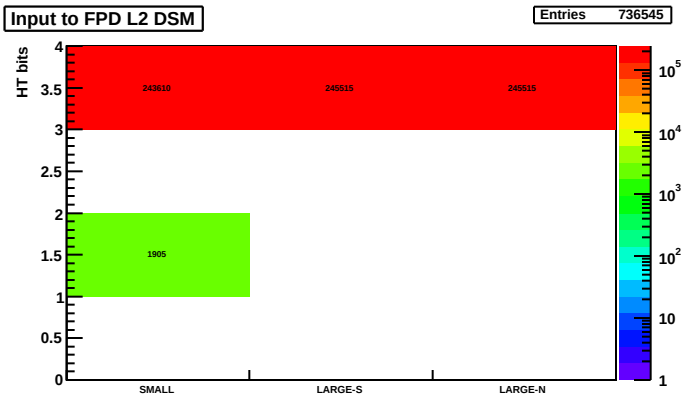

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

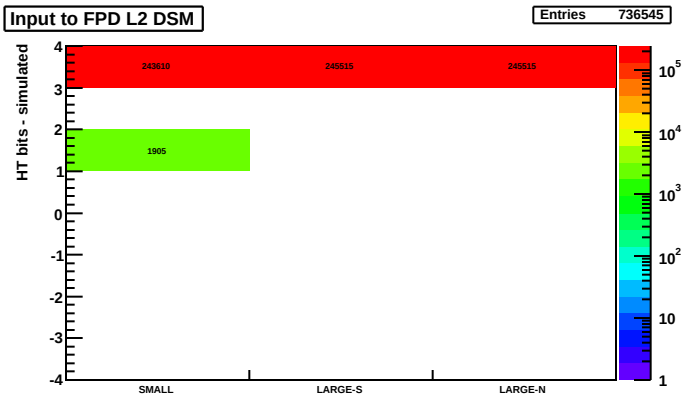

Input to FPD L2 DSM
Entries 1964120
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

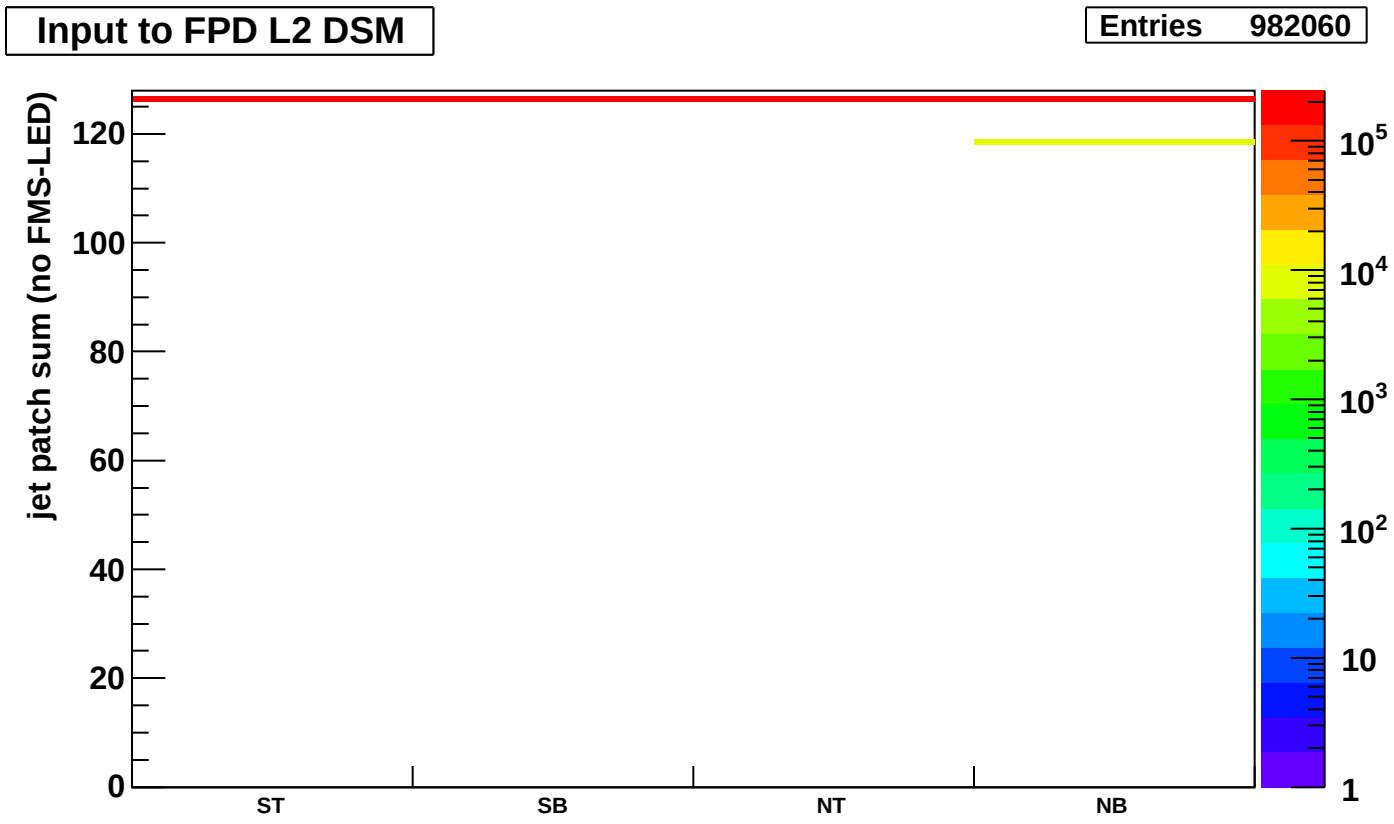

Input to FPD L2 DSM
Entries 1964120
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

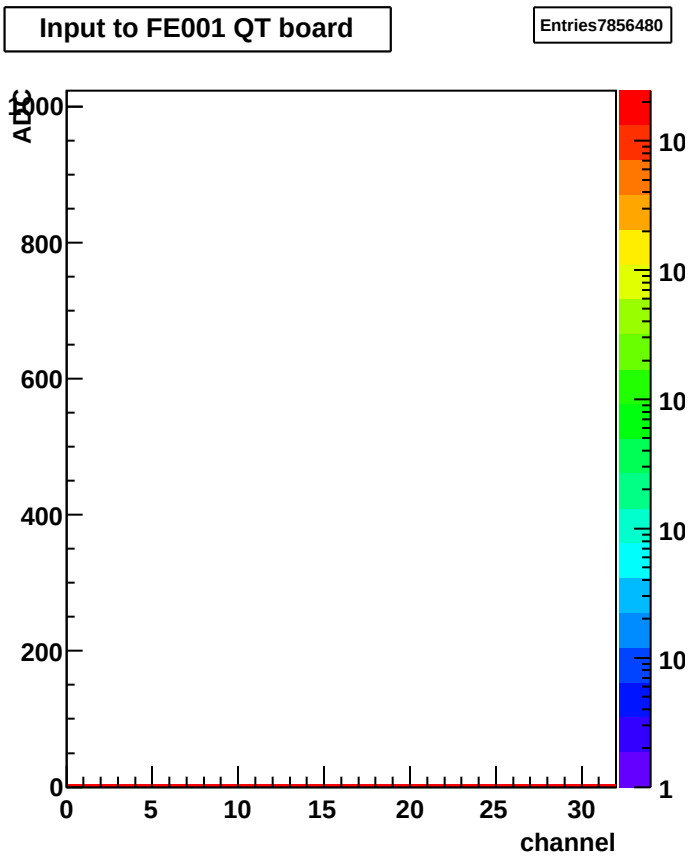

Input to FPD L2 DSM
Entries 736545
CL bits
245515
245515
245515
SMALL
LARGE-S
LARGE-N

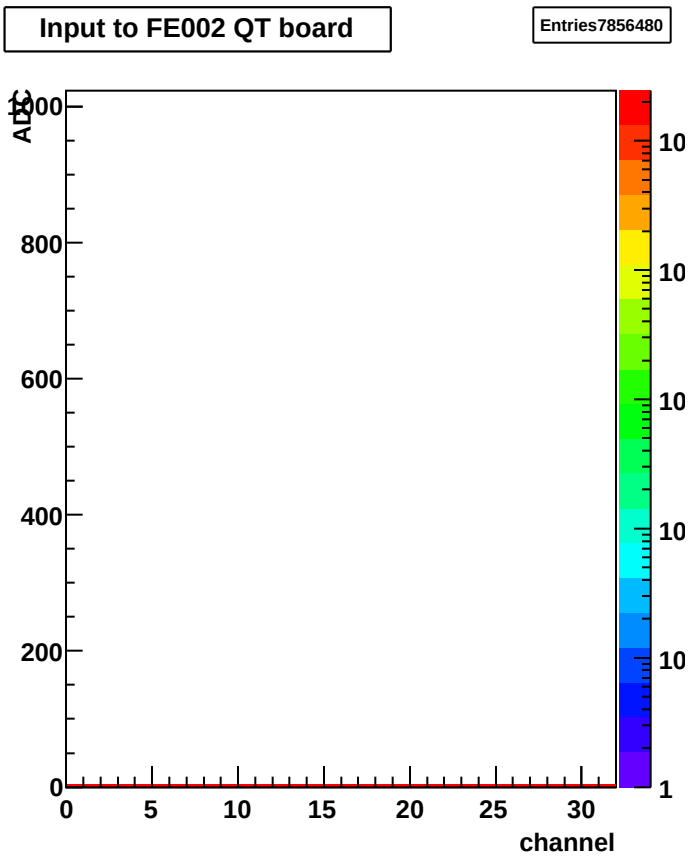

Input to FPD L2 DSM
Entries 736545
CL bits - simulated
245515
245515
245515
SMALL
LARGE-S
LARGE-N

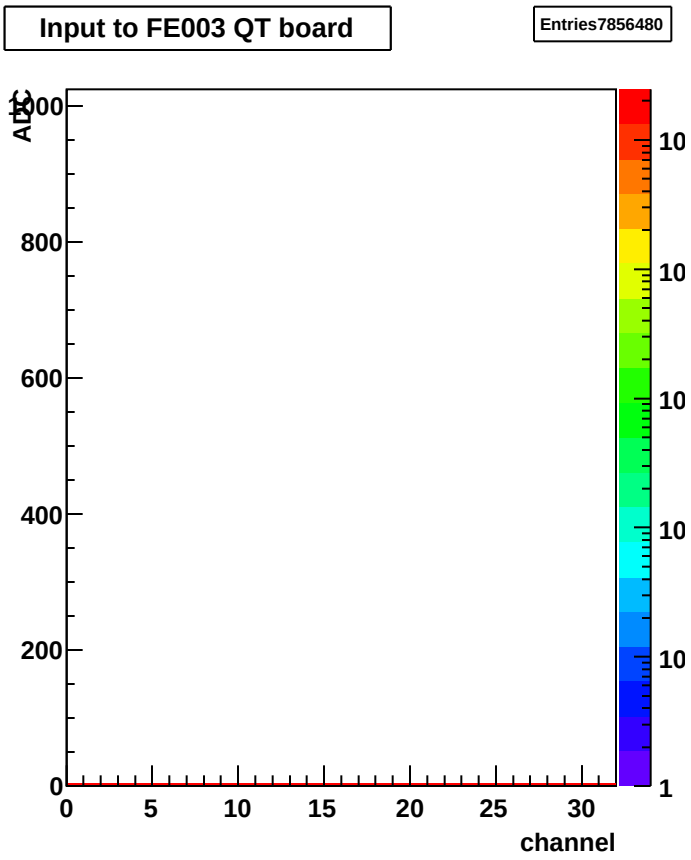

Input to FPD L2 DSM
Entries 736545
HT bits
243610
245515
245515
1905
SMALL
LARGE-S
LARGE-N

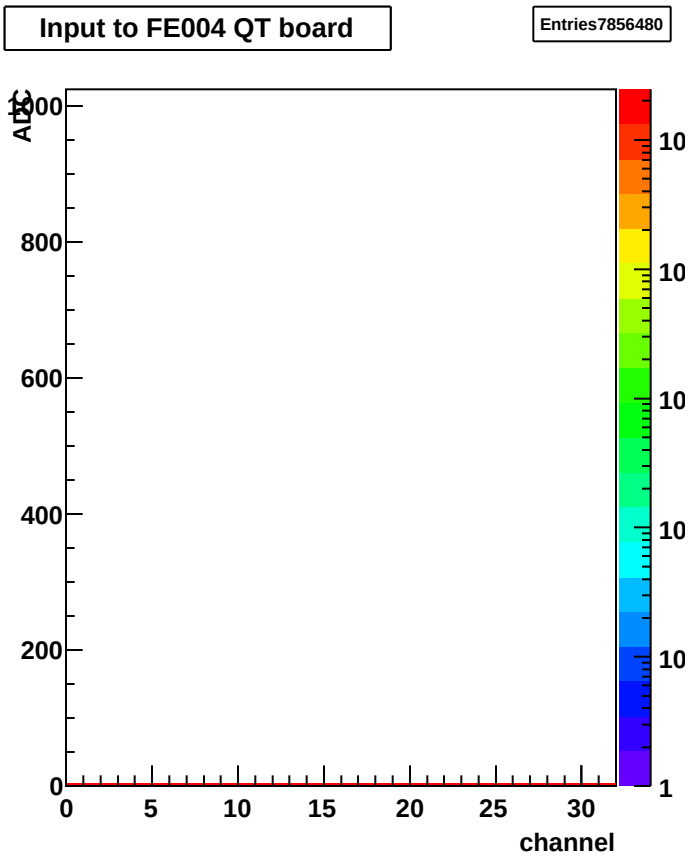

Input to FPD L2 DSM
Entries 736545
HT bits - simulated
243610
245515
245515
1905
SMALL
LARGE-S
LARGE-N

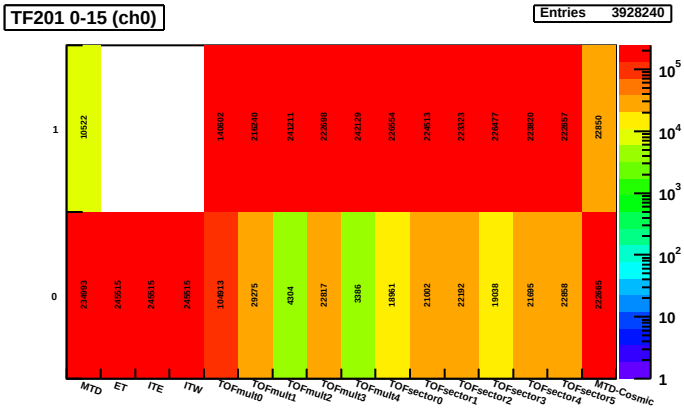

Input to FPD L2 DSM
Entries 982060
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

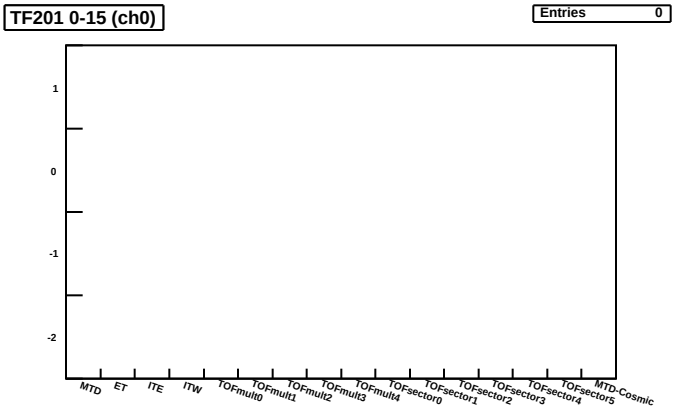

Input to FE001 QT board
Entries7856480
ADC
channel

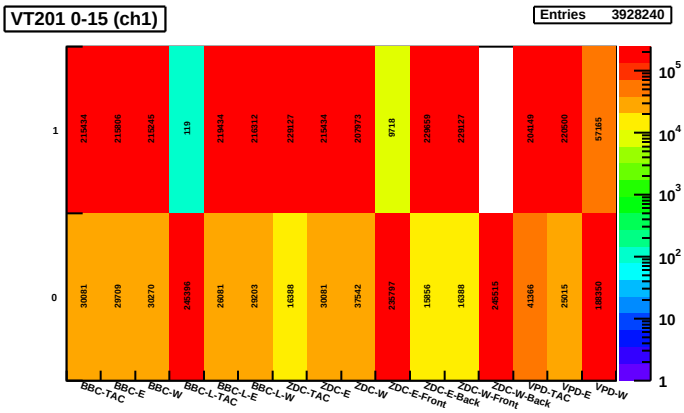

Input to FE002 QT board
Entries7856480
ADC
channel

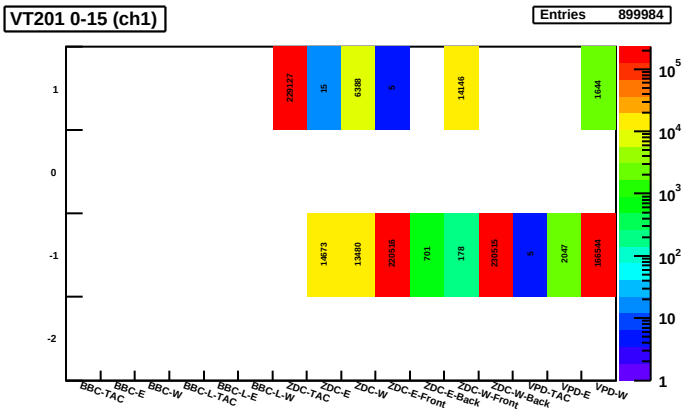

Input to FE003 QT board
Entries7856480
ADC
channel

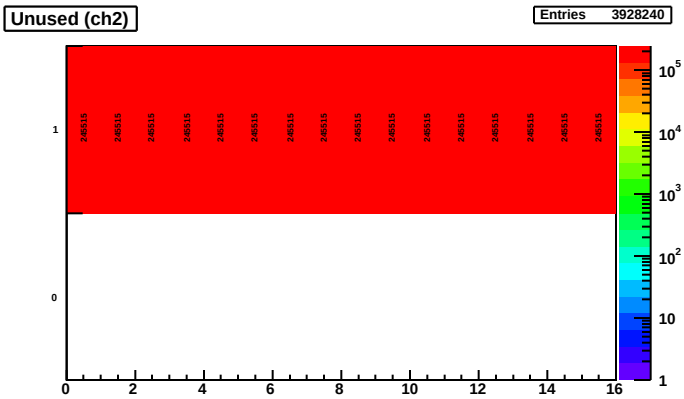

Input to FE004 QT board
Entries7856480
ADC
channel

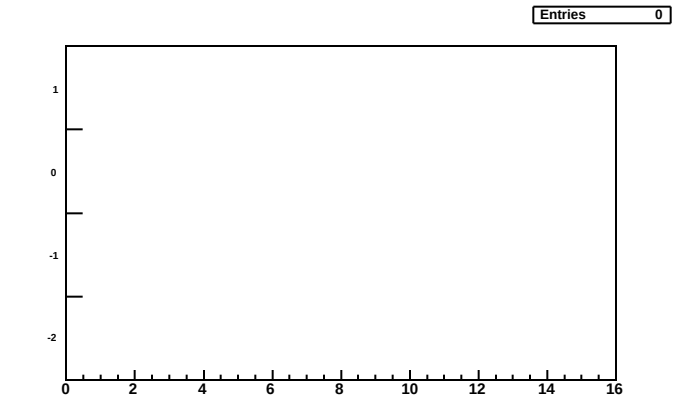

TF201 0-15 (ch0)
Entries 3928240
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

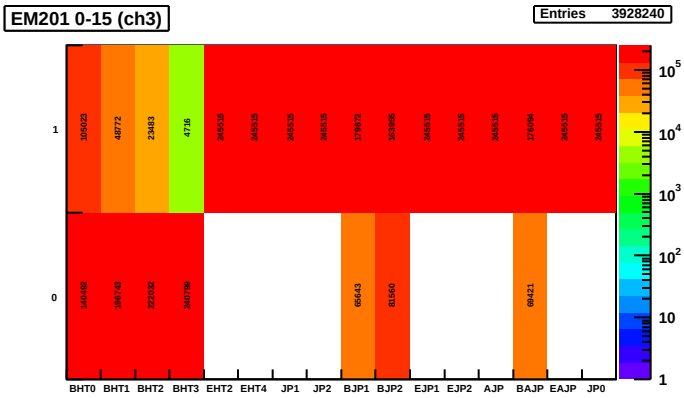

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

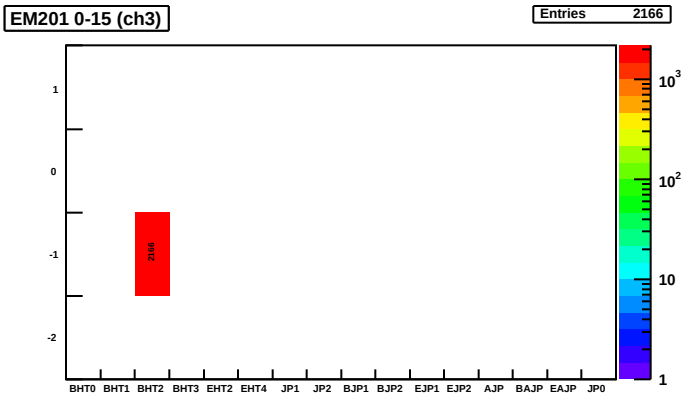

VT201 0-15 (ch1)
Entries 3928240
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 899984
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

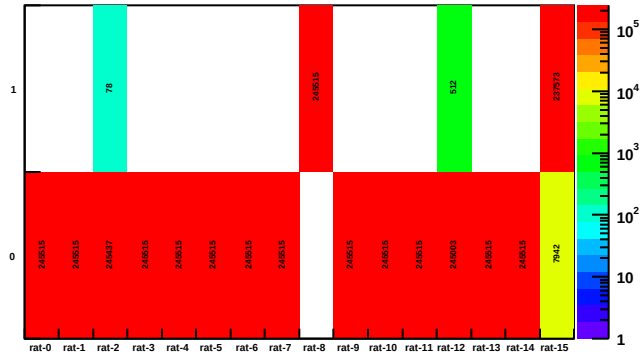

Unused (ch2)
Entries 3928240

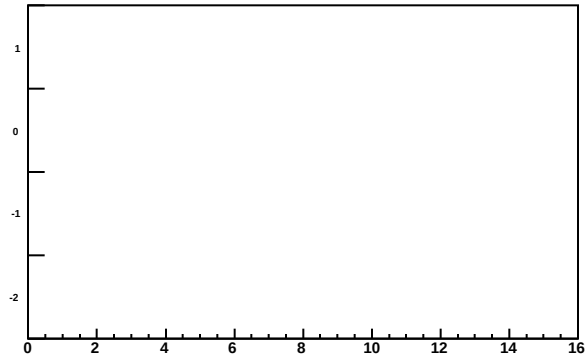

Entries 0


EM201 0-15 (ch3)
Entries 3928240
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

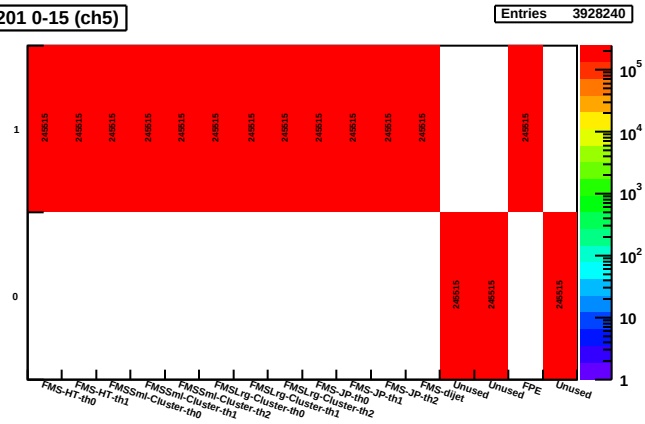

EM201 0-15 (ch3)
Entries 2166
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

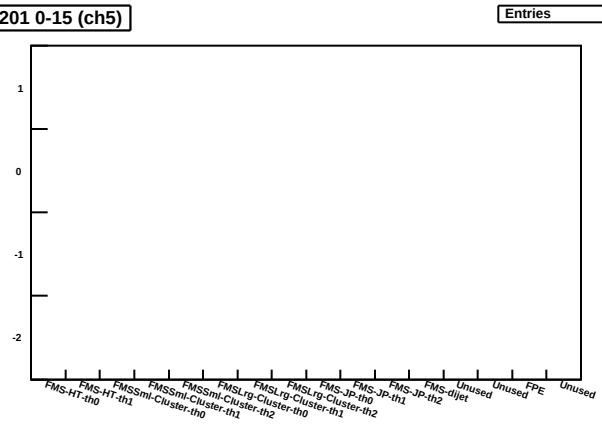




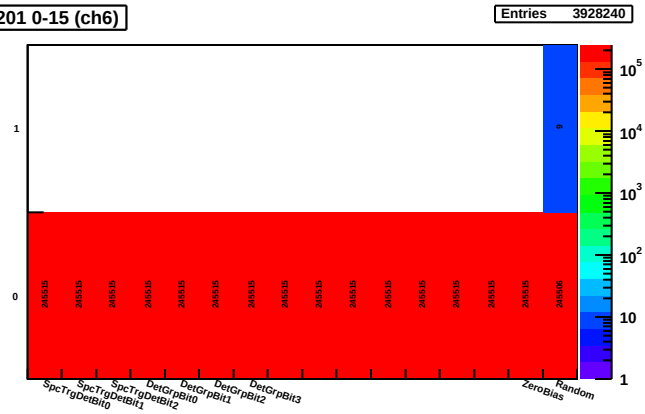
FP201 0-15 (ch5)

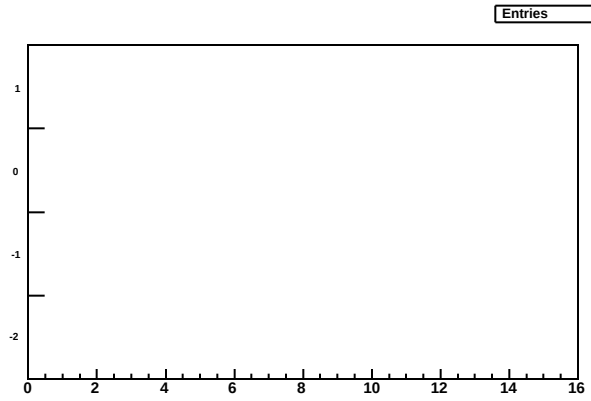
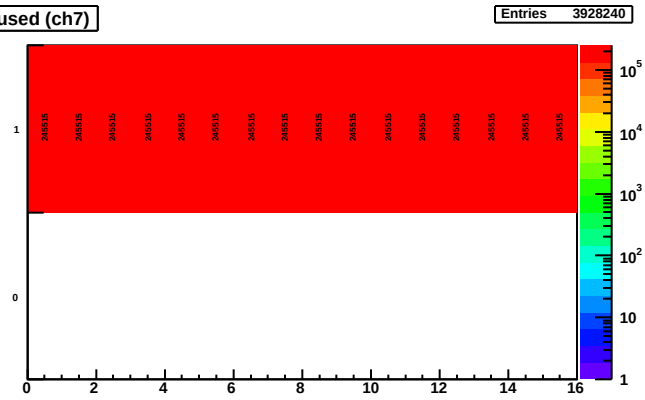
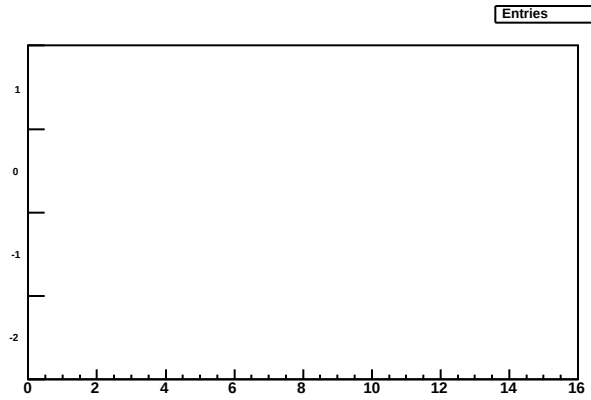


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)