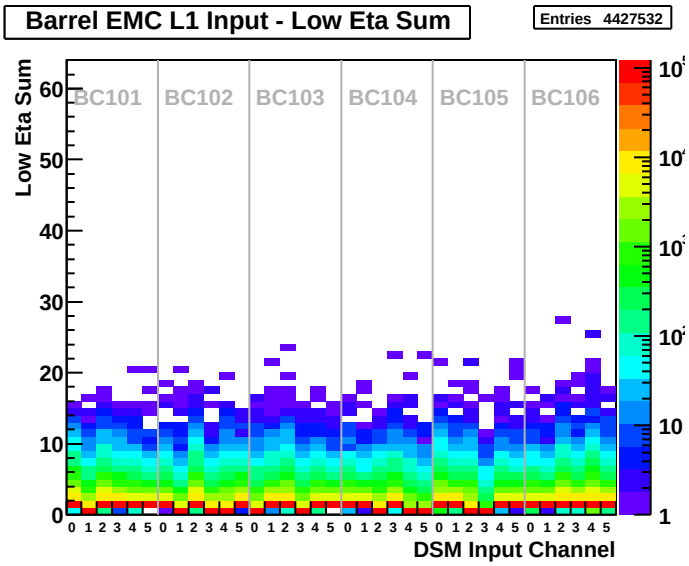
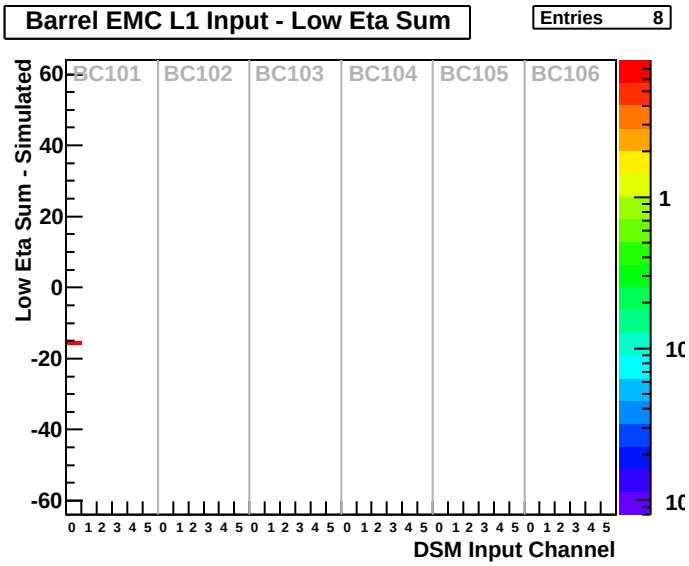
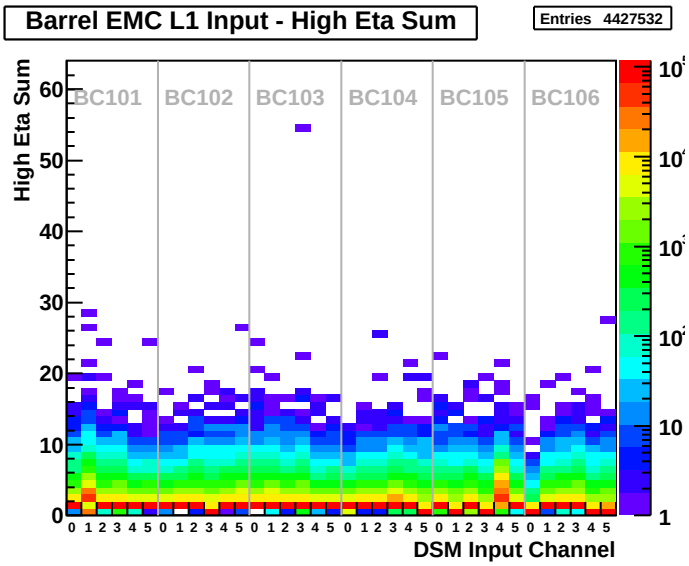
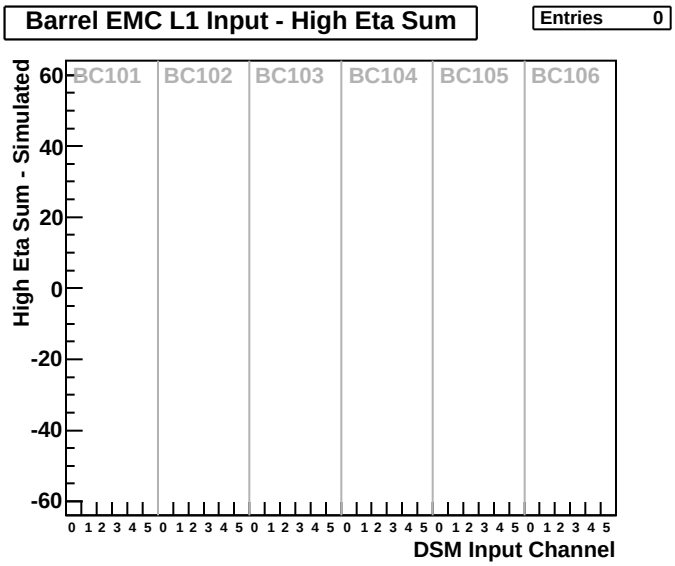
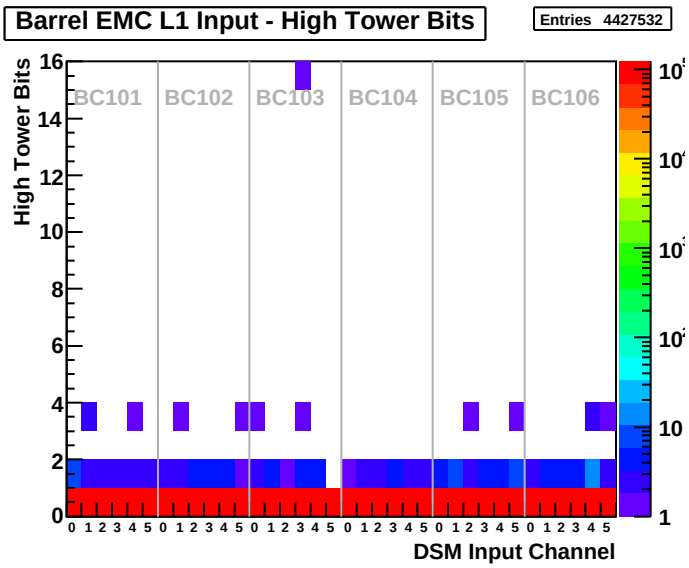
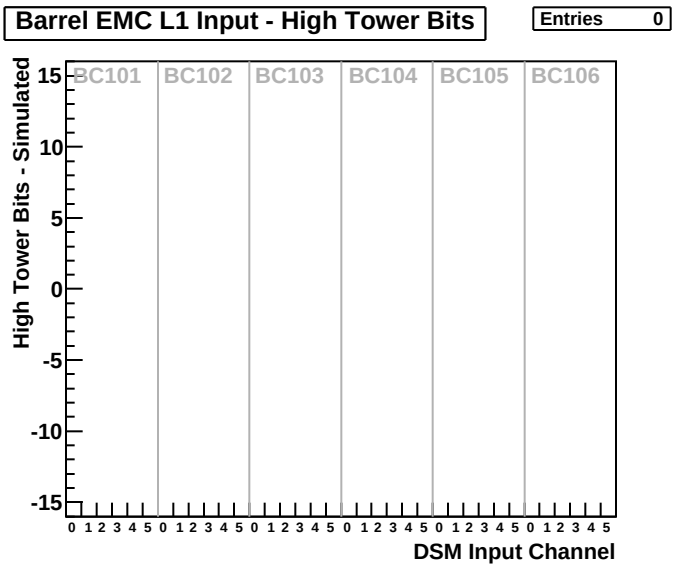

Barrel EMC L1 Input - Low Eta Sum
Entries 4427532
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

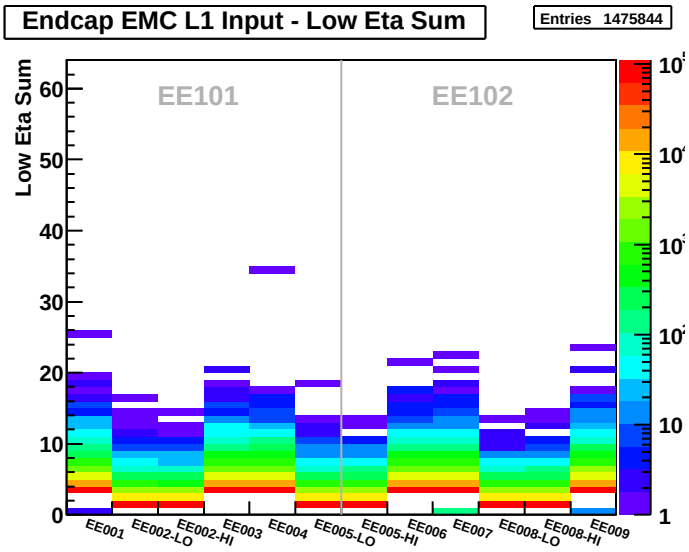

Barrel EMC L1 Input - Low Eta Sum
Entries 8
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

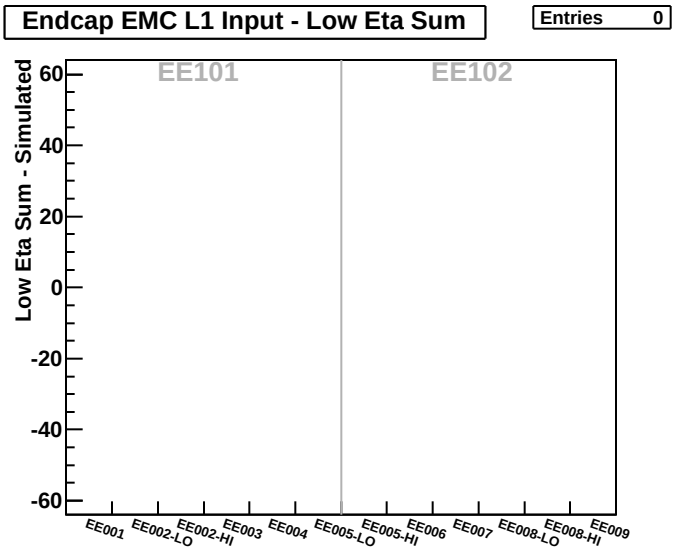

Barrel EMC L1 Input - High Eta Sum
Entries 4427532
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

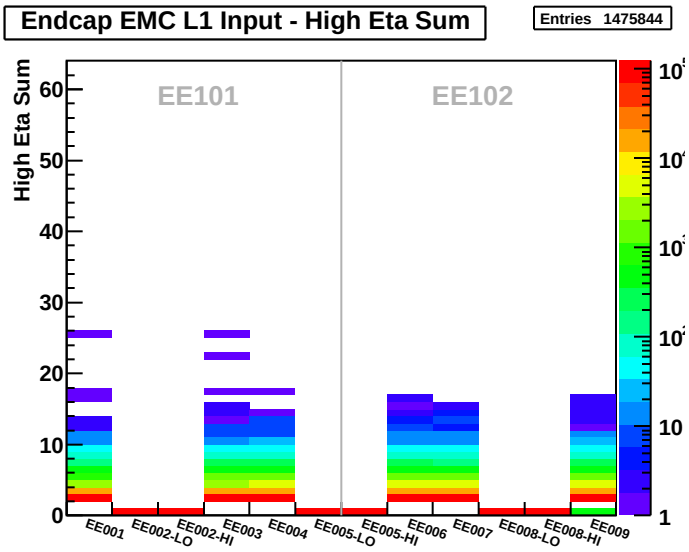

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

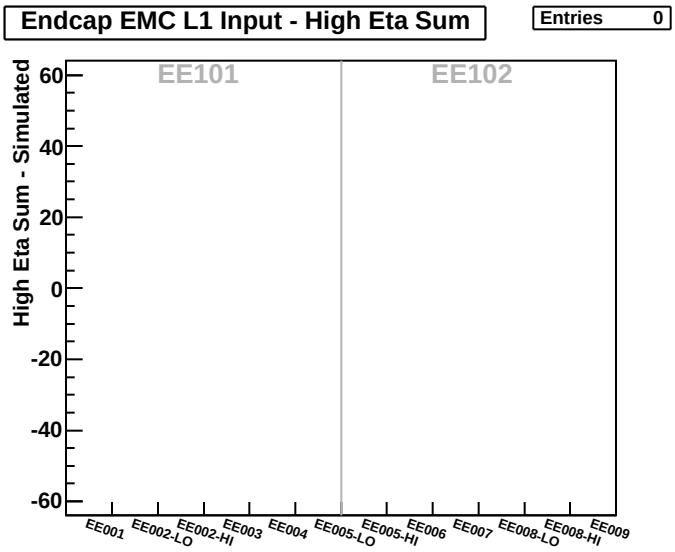

Barrel EMC L1 Input - High Tower Bits
Entries 4427532
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

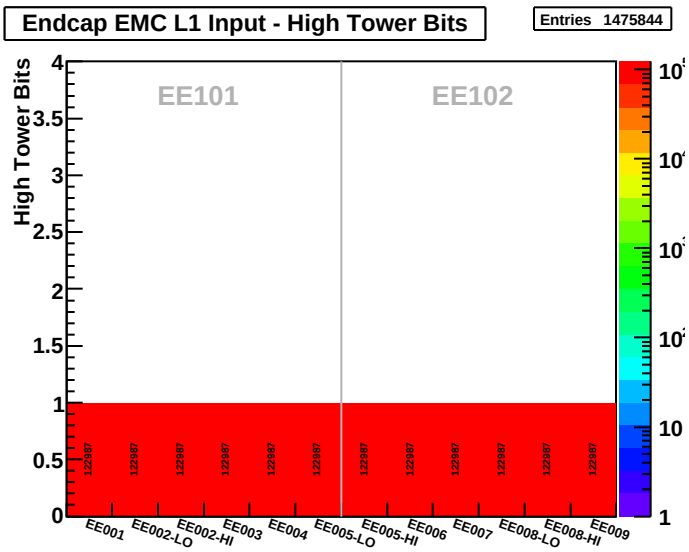

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

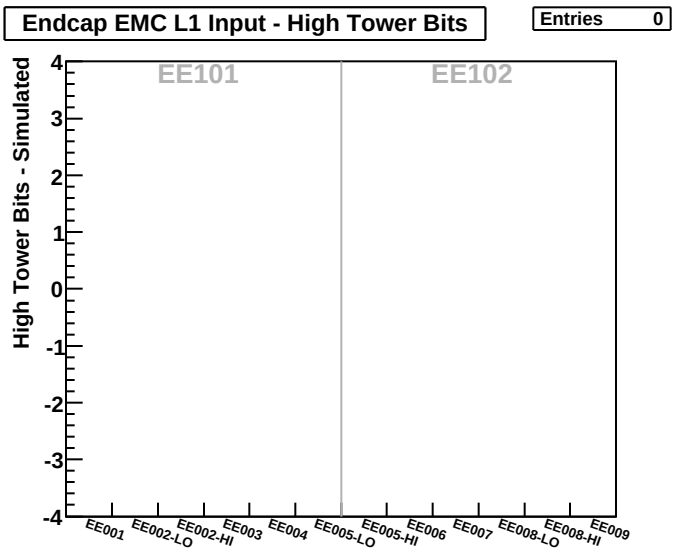

Endcap EMC L1 Input - Low Eta Sum
Entries 1475844
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

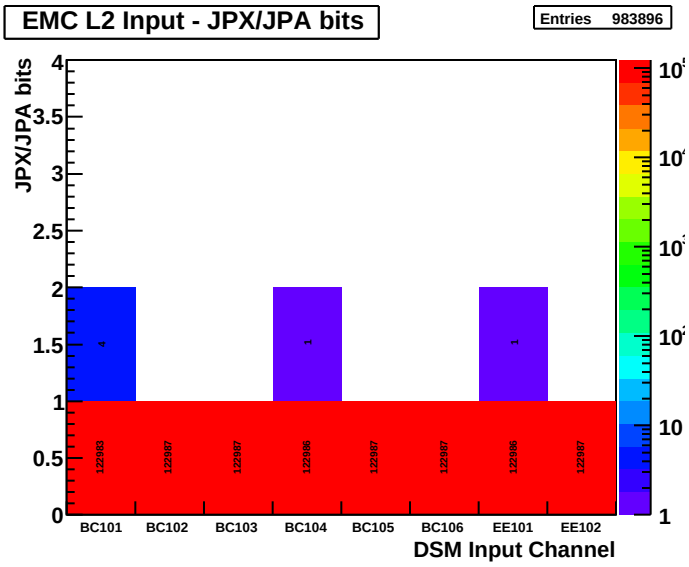

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

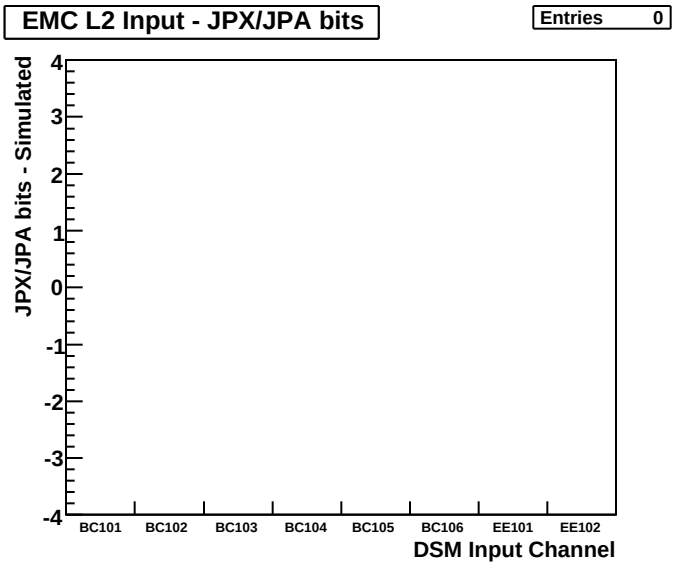

Endcap EMC L1 Input - High Eta Sum
Entries 1475844
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

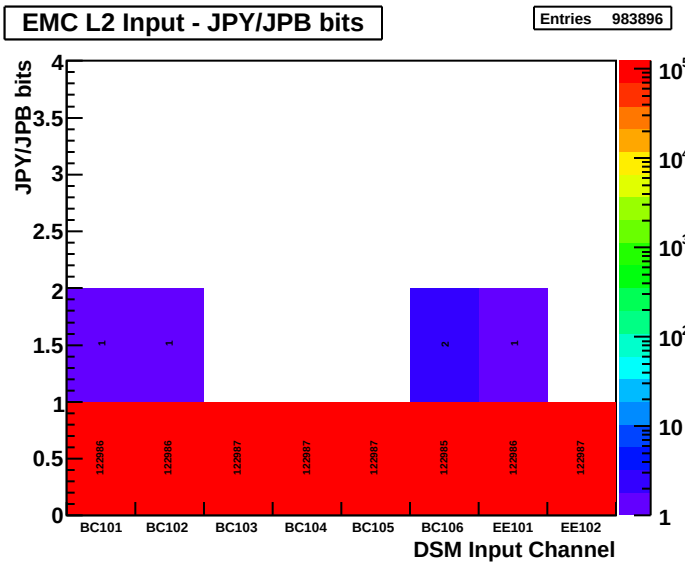

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

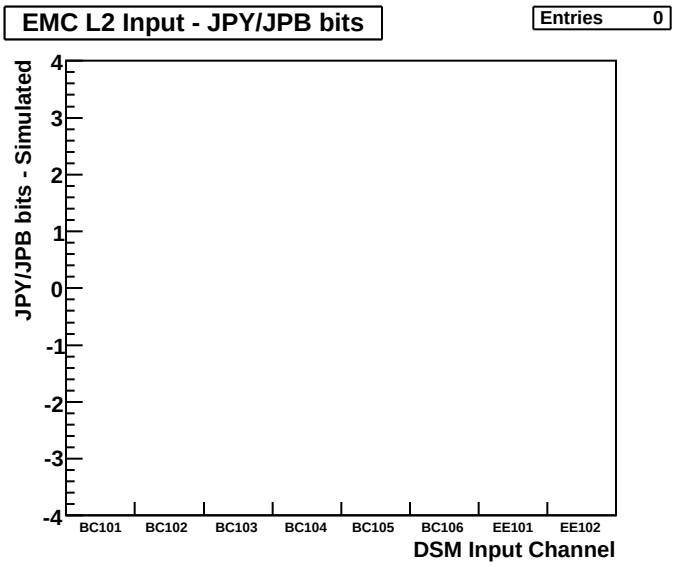

Endcap EMC L1 Input - High Tower Bits
Entries 1475844
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

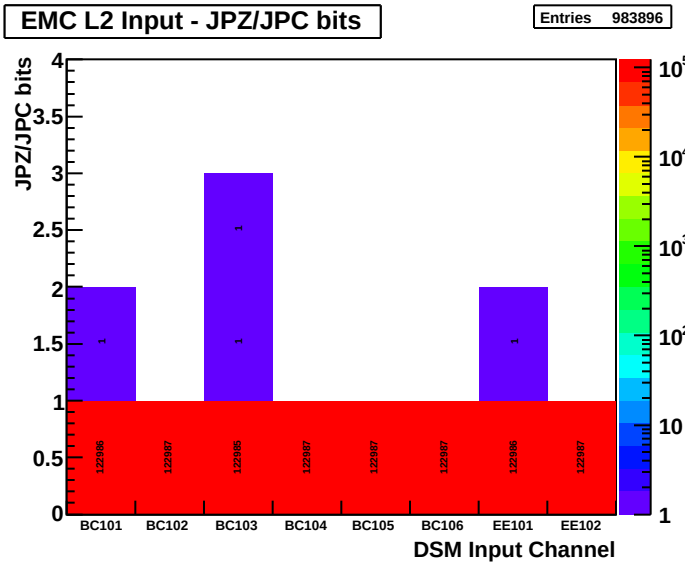

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

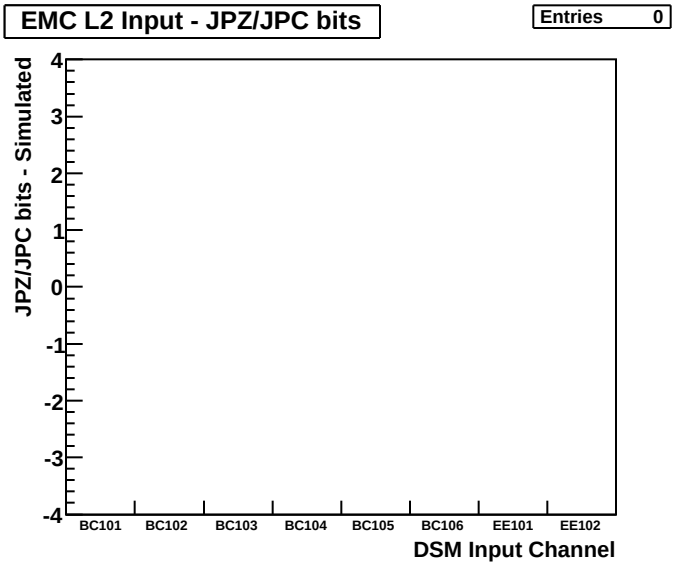

EMC L2 Input - JPX/JPA bits
Entries 983896
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

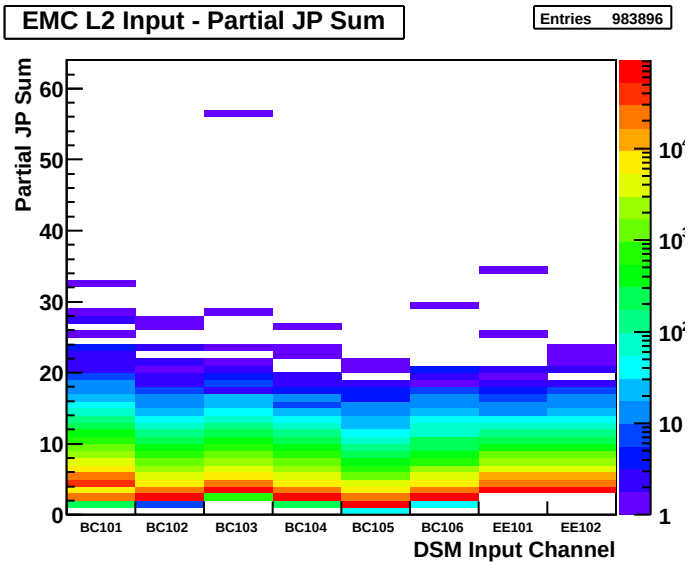

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

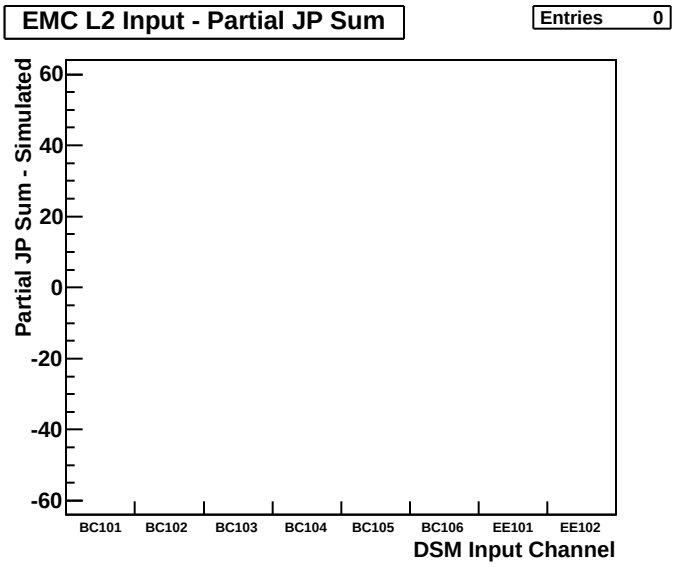

EMC L2 Input - JPY/JPB bits
Entries 983896
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

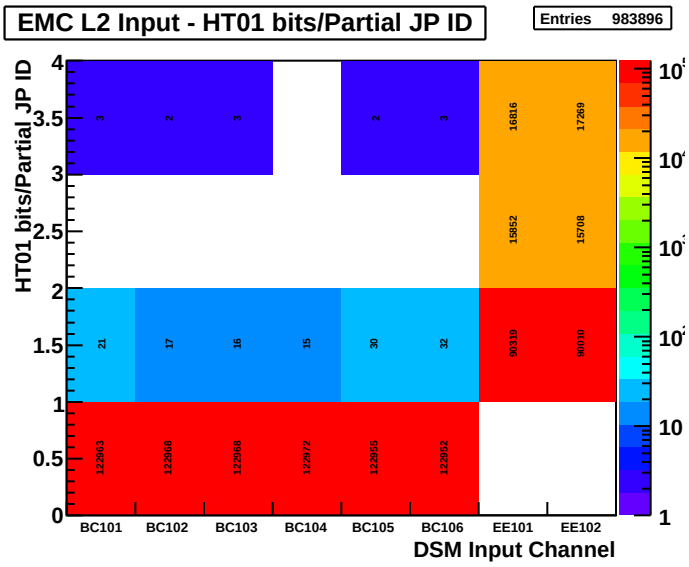

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

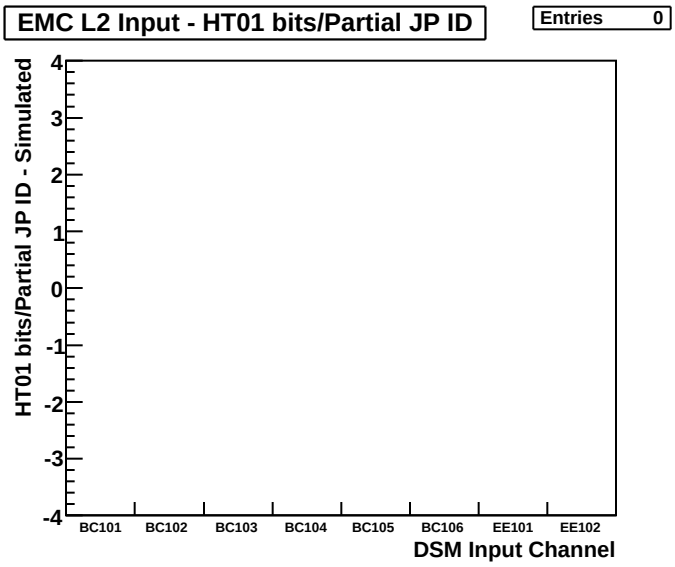

EMC L2 Input - JPZ/JPC bits
Entries 983896
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

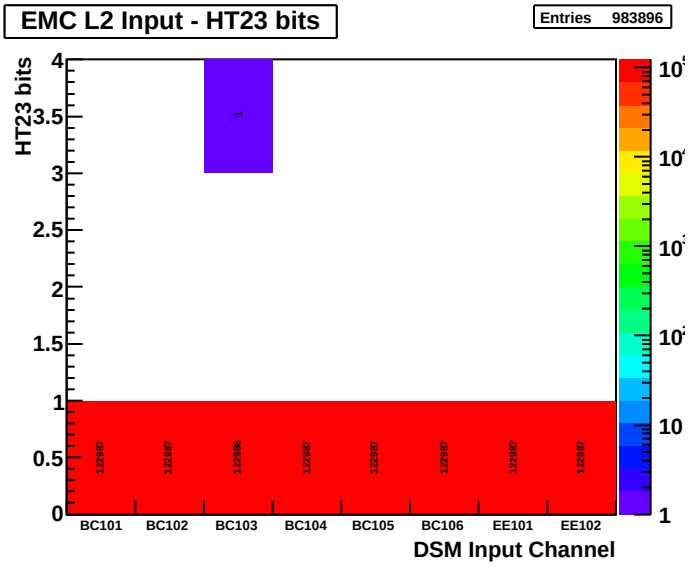

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

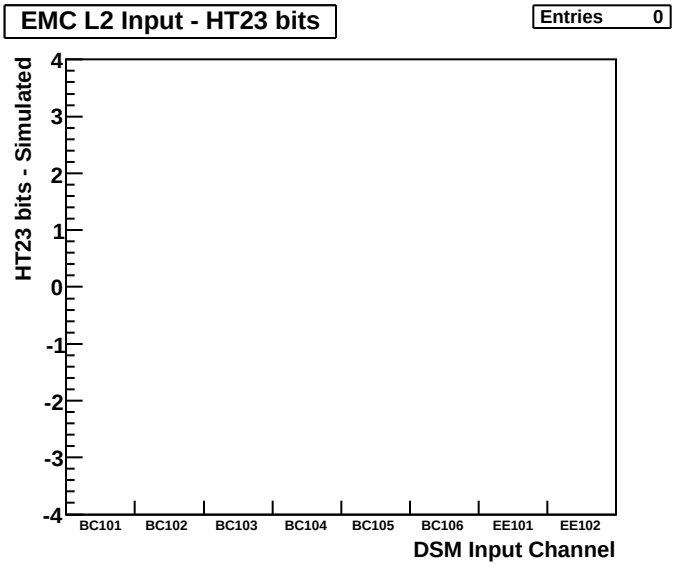

EMC L2 Input - Partial JP Sum
Entries 983896
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

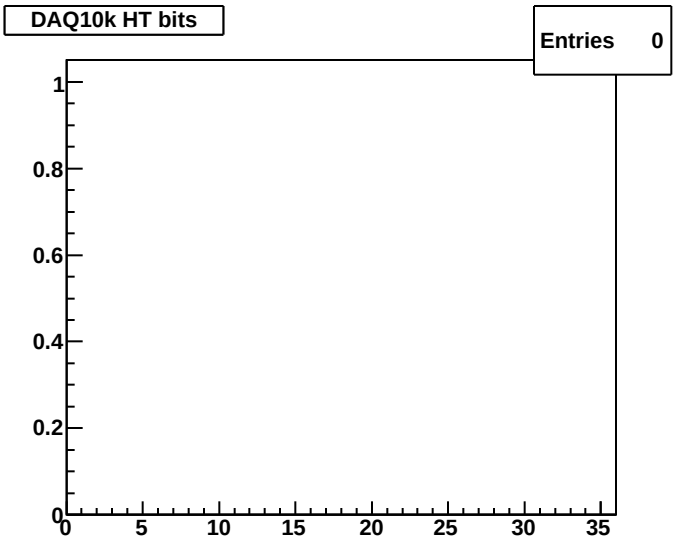

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

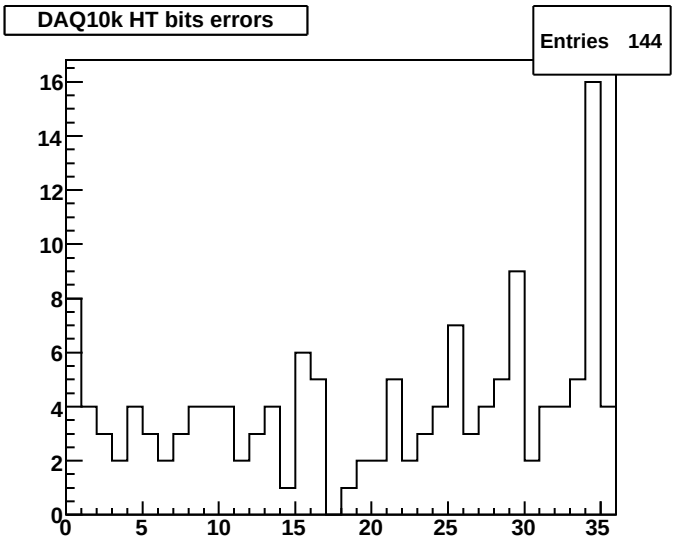

EMC L2 Input - HT01 bits/Partial JP ID
Entries 983896
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

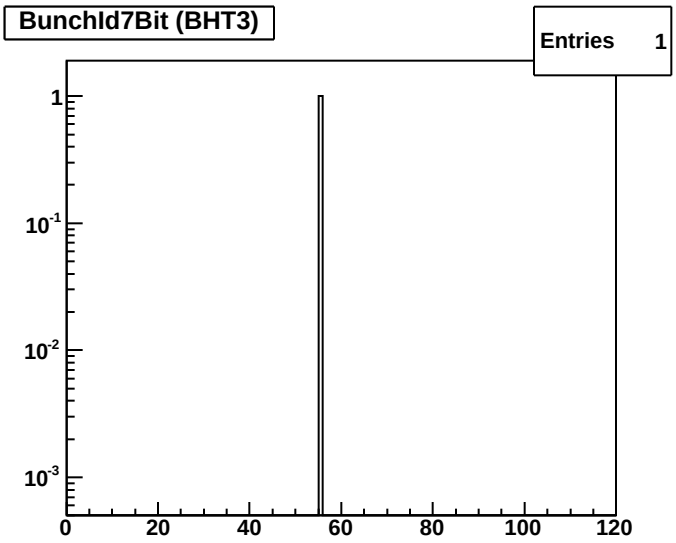

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

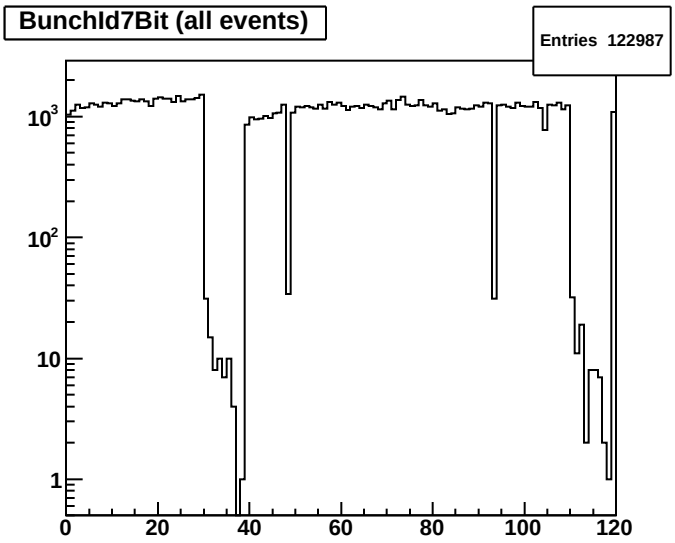

EMC L2 Input - HT23 bits
Entries 983896
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

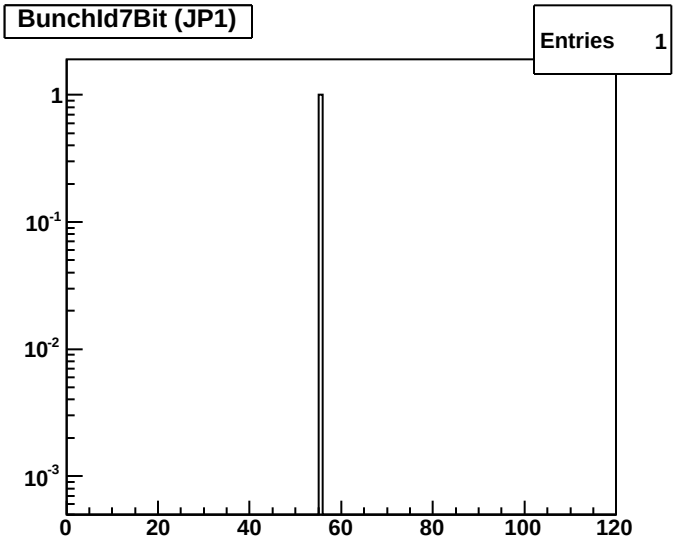

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

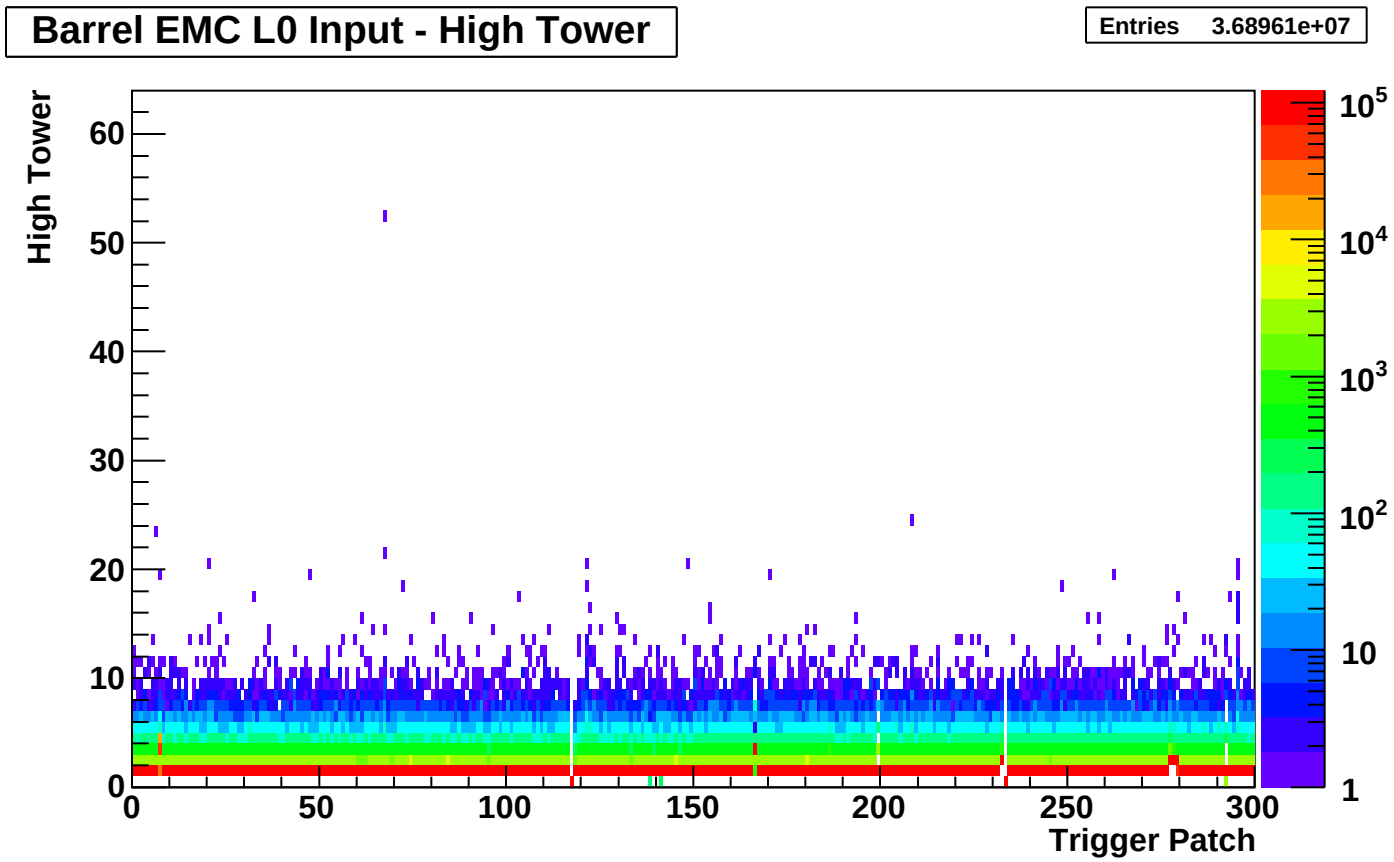

DAQ10k HT bits
Entries 0

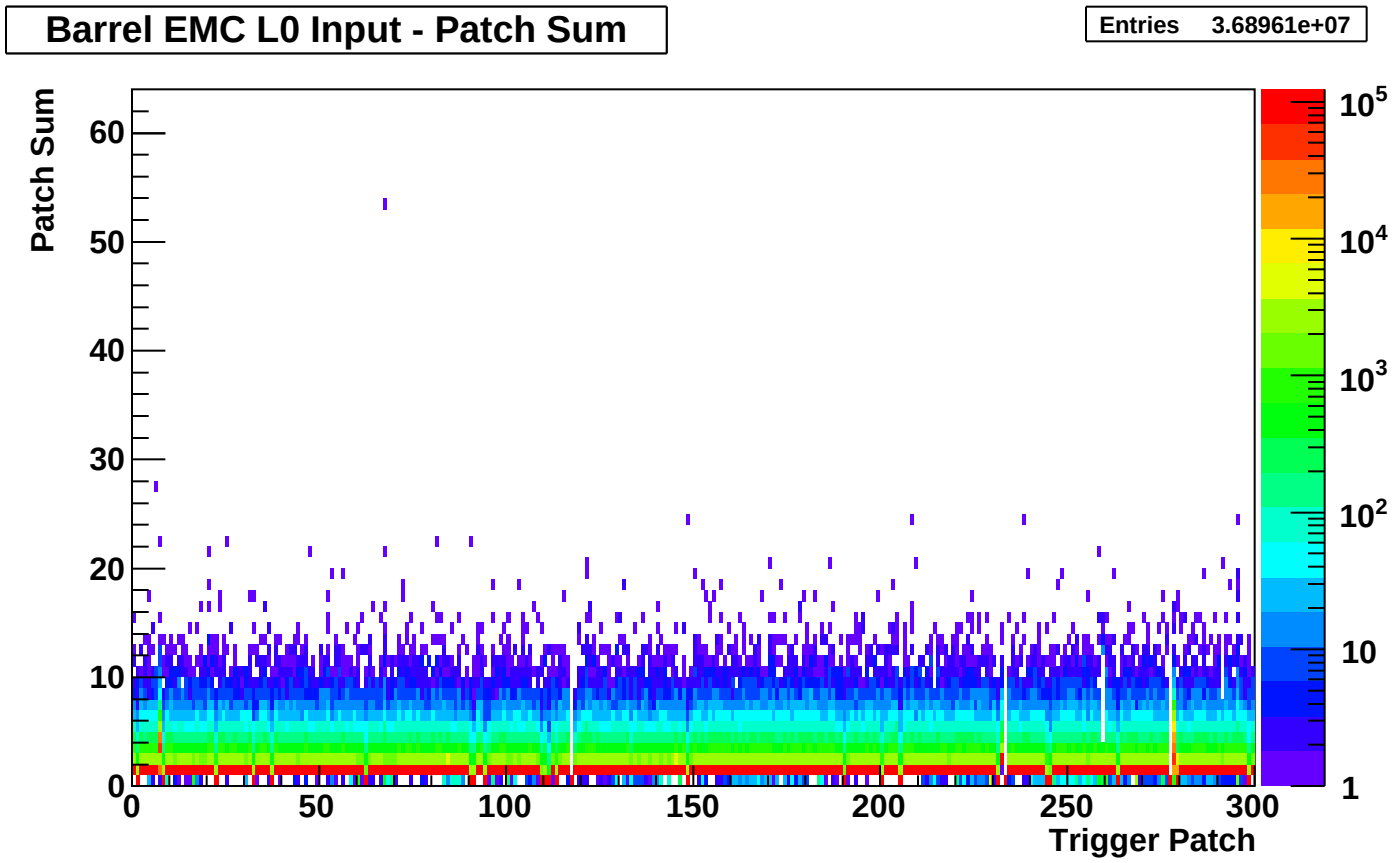

DAQ10k HT bits errors
Entries 144

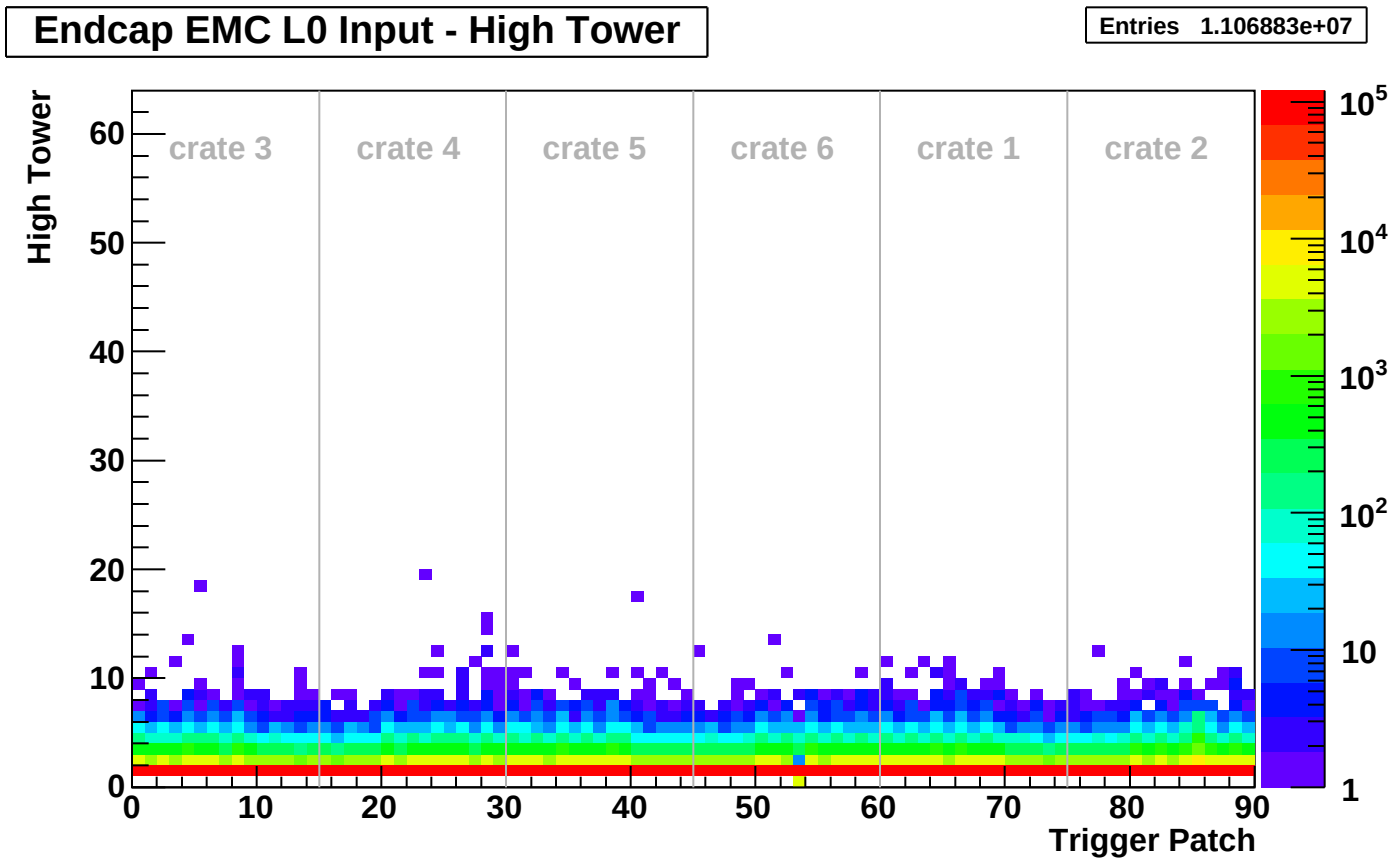

BunchId7Bit (BHT3)
Entries 1

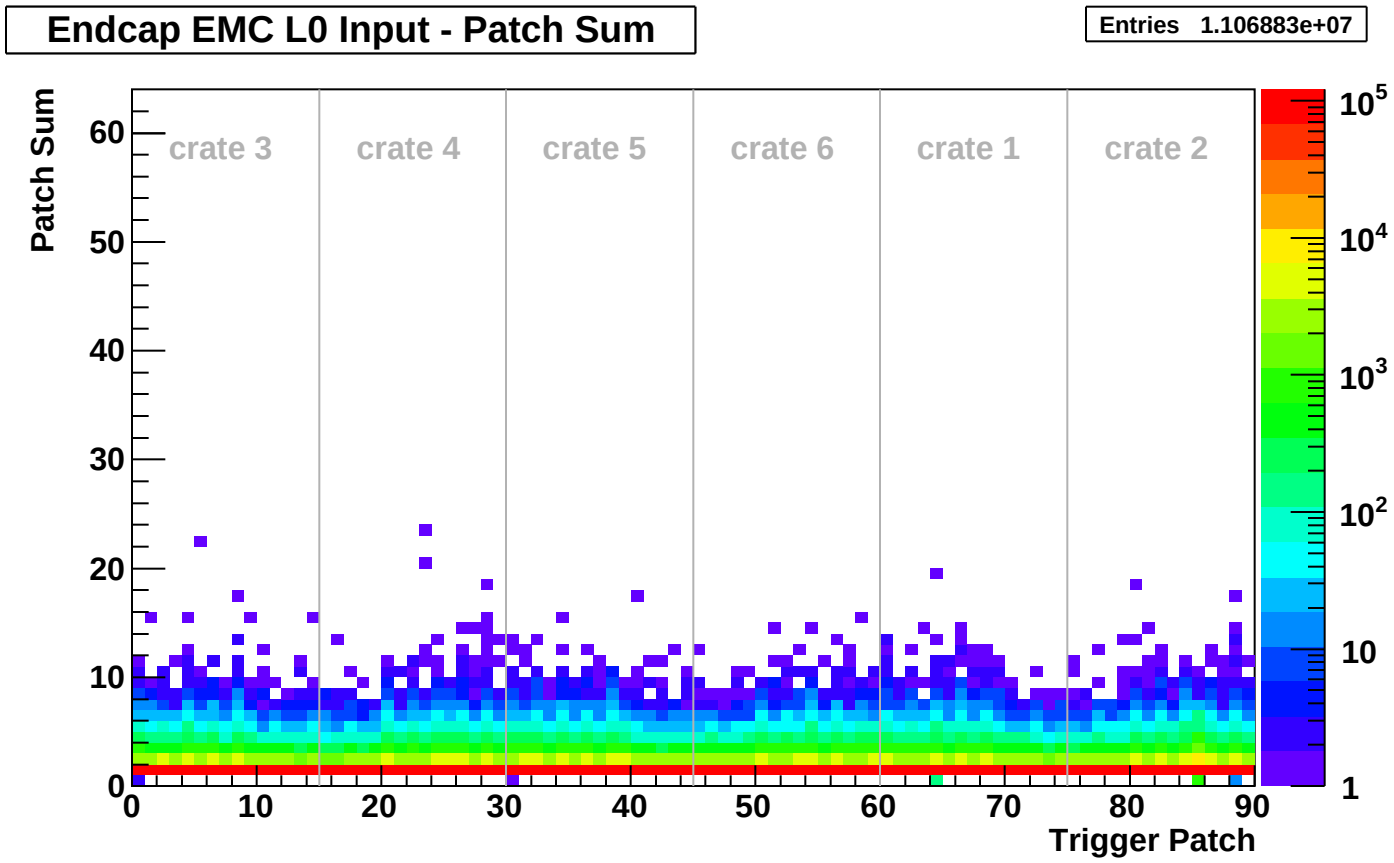

BunchId7Bit (all events)
Entries 122987

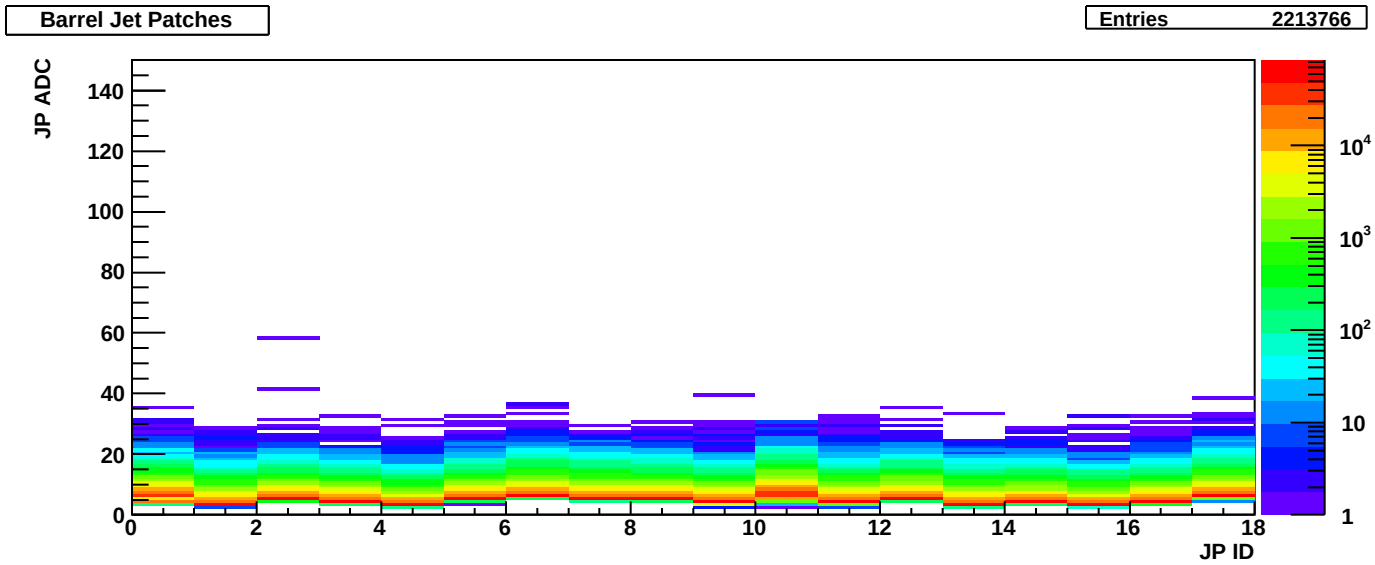

BunchId7Bit (JP1)
Entries 1

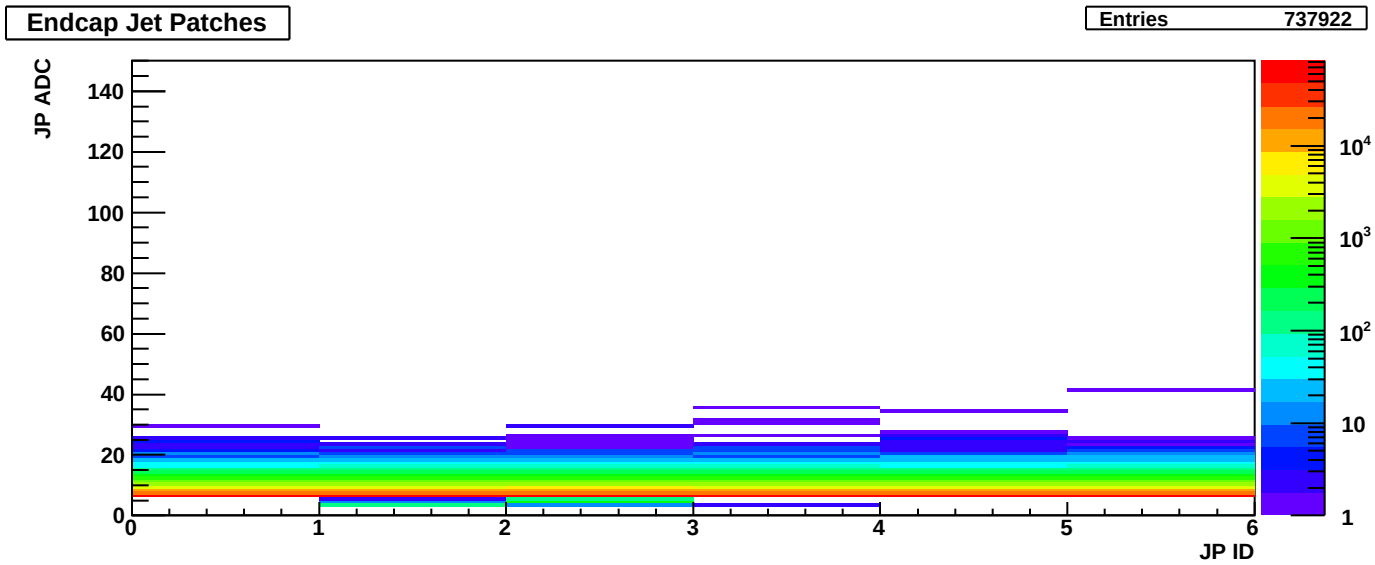

Barrel EMC L0 Input - High Tower
Entries 3.68961e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

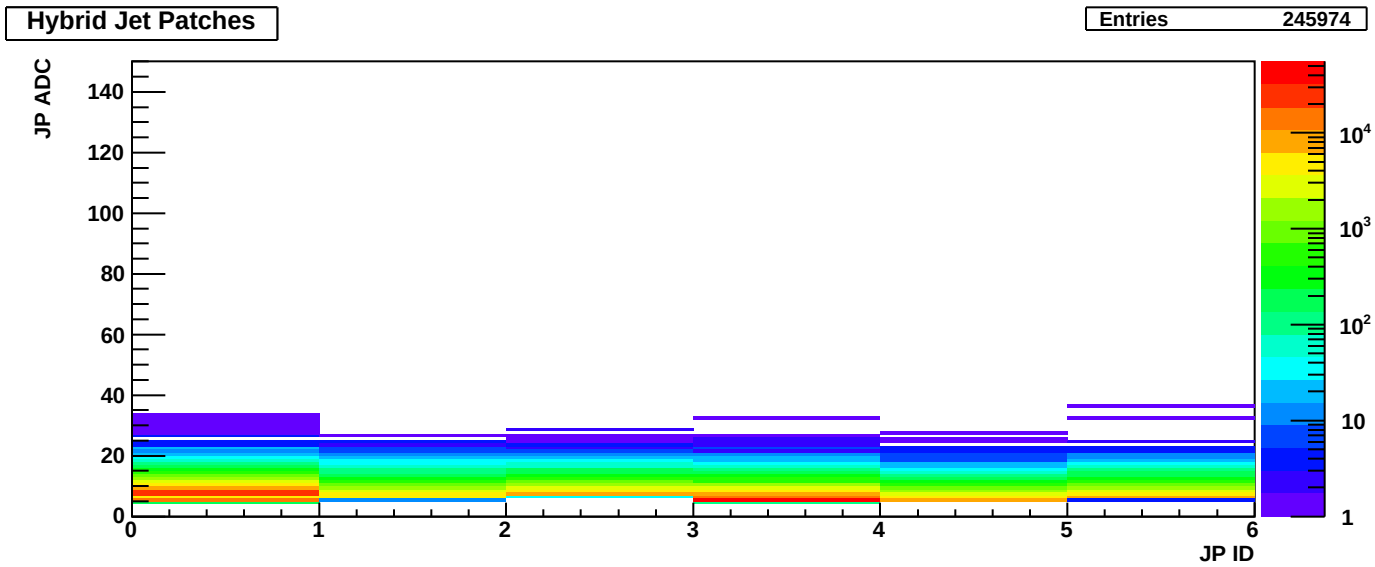

Barrel EMC L0 Input - Patch Sum
Entries 3.68961e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

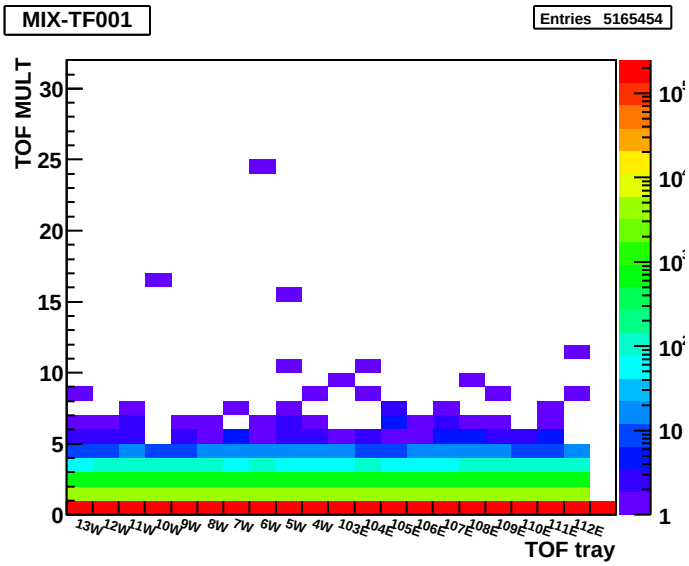

Endcap EMC L0 Input - High Tower
Entries 1.106883e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

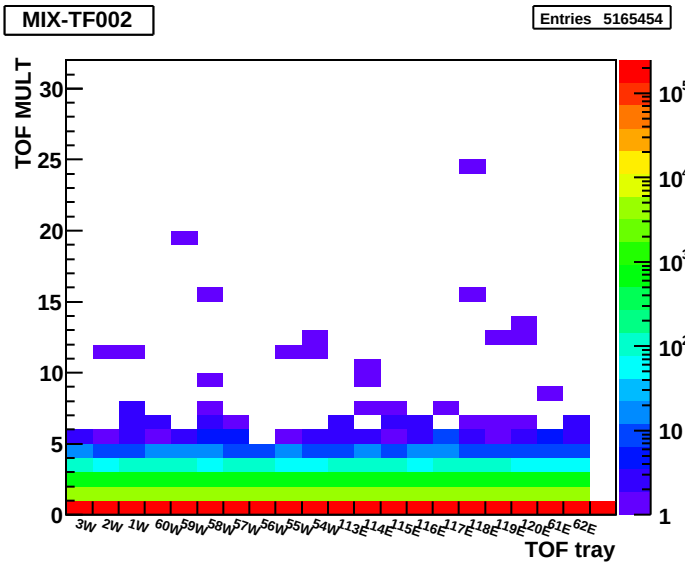

Endcap EMC L0 Input - Patch Sum
Entries 1.106883e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

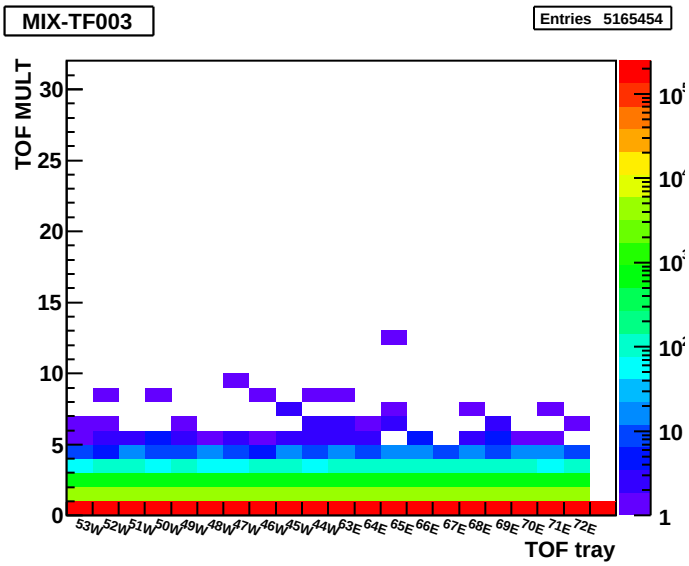

Barrel Jet Patches
Entries 2213766
JP ADC
JP ID

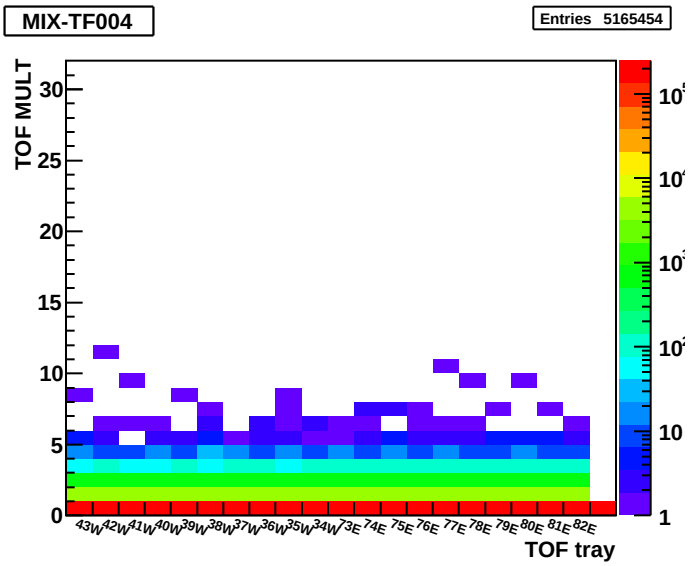

Endcap Jet Patches
Entries 737922
JP ADC
JP ID

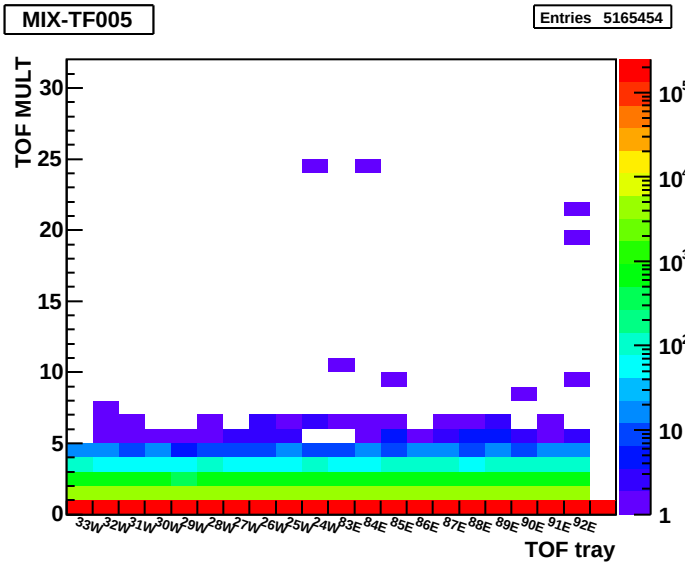

Hybrid Jet Patches
Entries 245974
JP ADC
JP ID

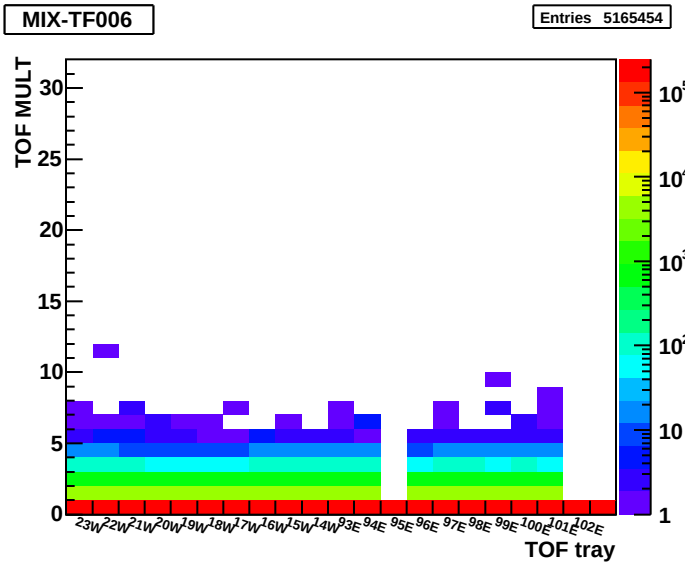

MIX-TF001
Entries 5165454
TOF MULT
TOF tray

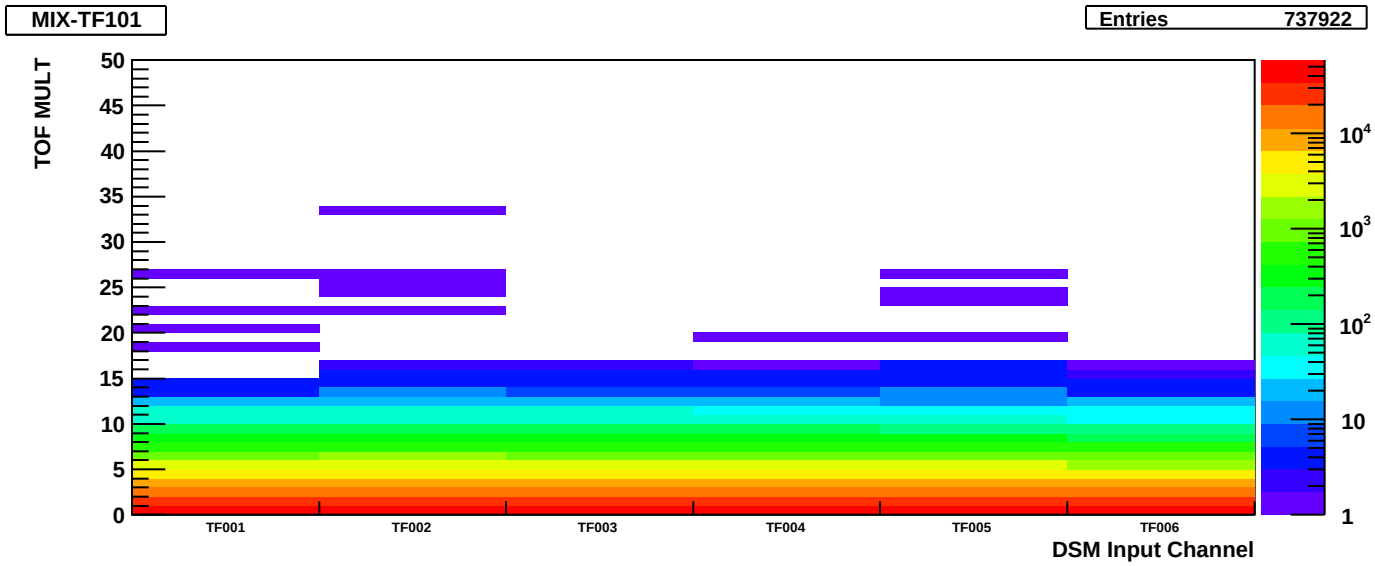

MIX-TF002
Entries 5165454
TOF MULT
TOF tray

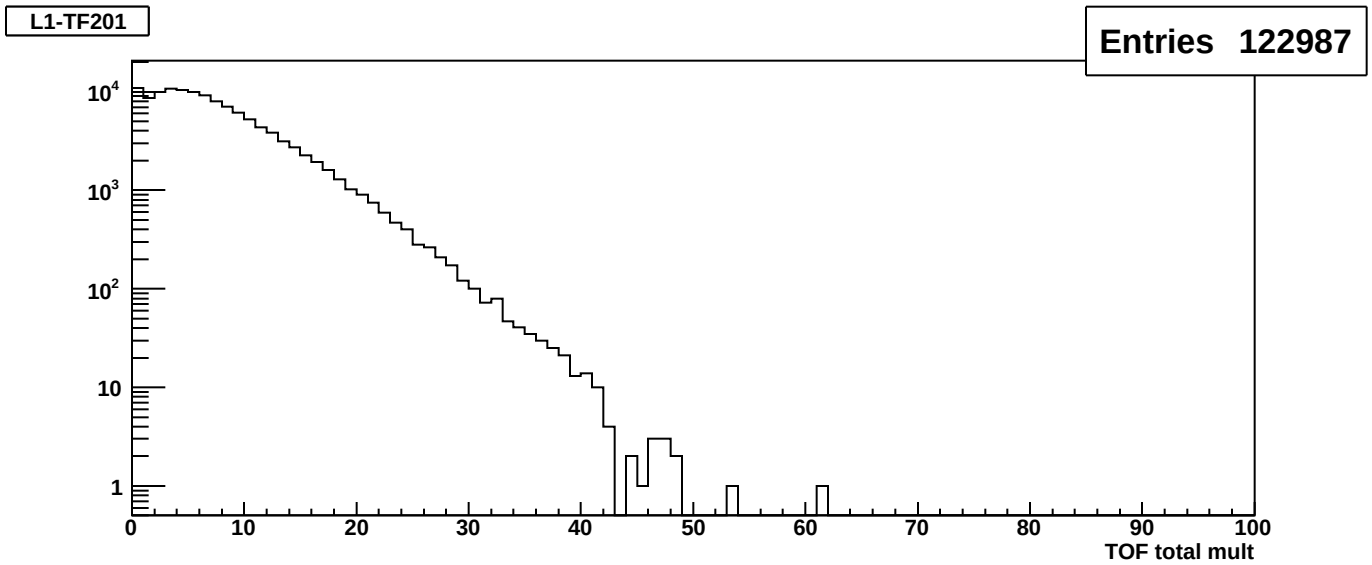

MIX-TF003
Entries 5165454
TOF MULT
TOF tray

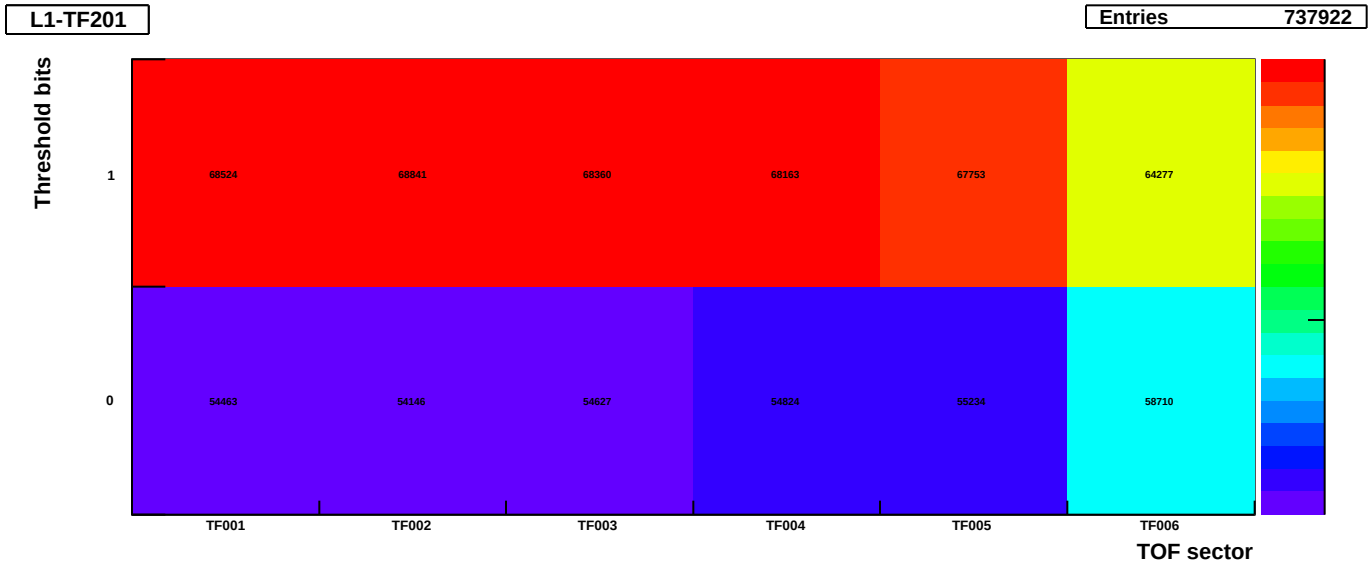

MIX-TF004
Entries 5165454
TOF MULT
TOF tray

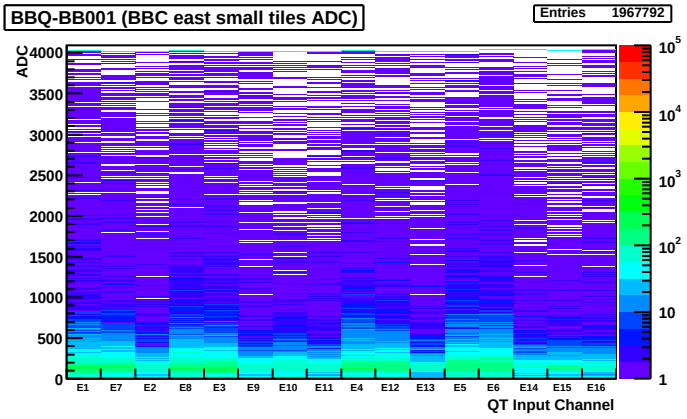

MIX-TF005
Entries 5165454
TOF MULT
TOF tray

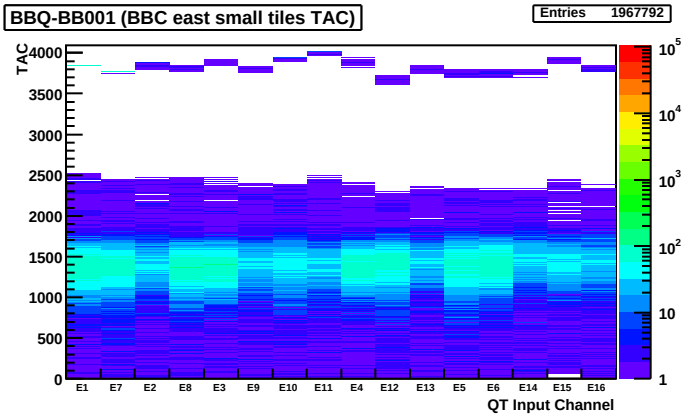

MIX-TF006
Entries 5165454
TOF MULT
TOF tray

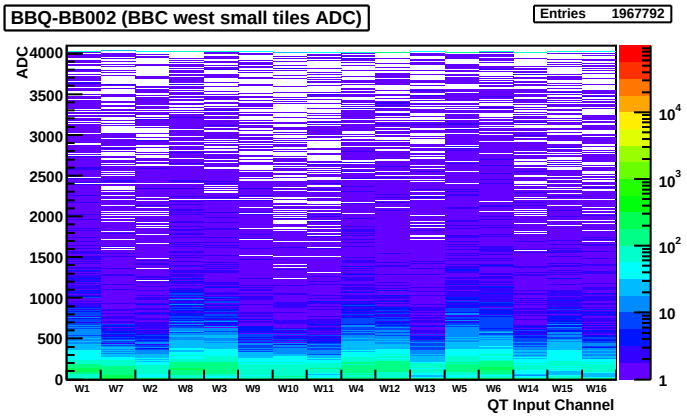

MIX-TF101
Entries 737922
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

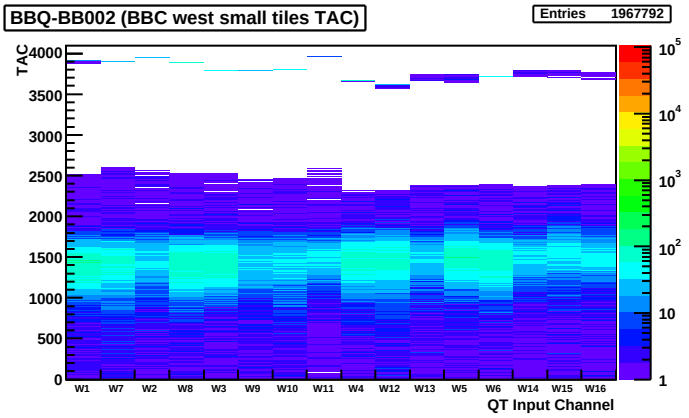

L1-TF201
Entries 122987
TOF total mult

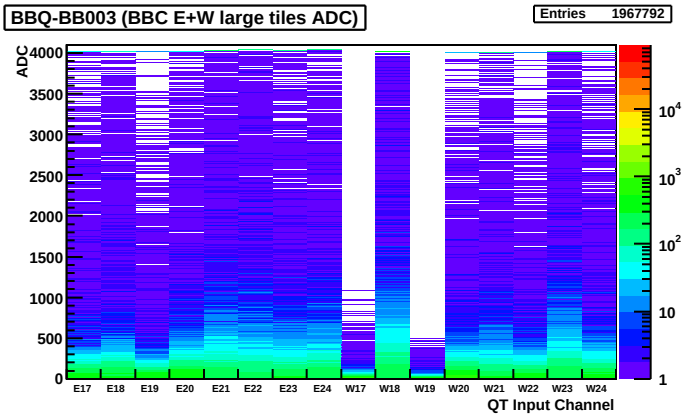

L1-TF201
Entries 737922
Threshold bits
68524
68841
68360
68163
67753
64277
54463
54146
54627
54824
55234
58710
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

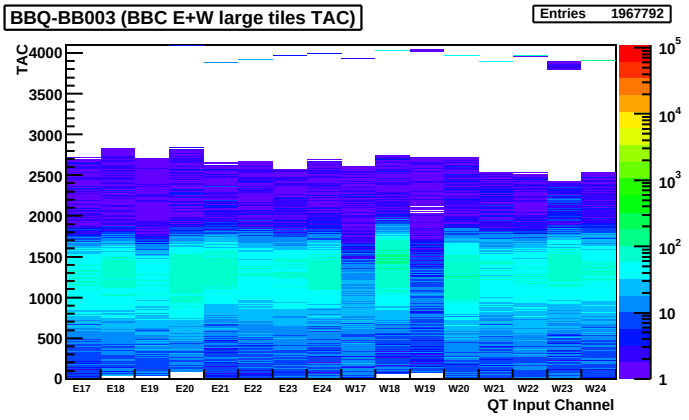

BBQ-BB001 (BBC east small tiles ADC)
Entries 1967792
ADC
QT Input Channel

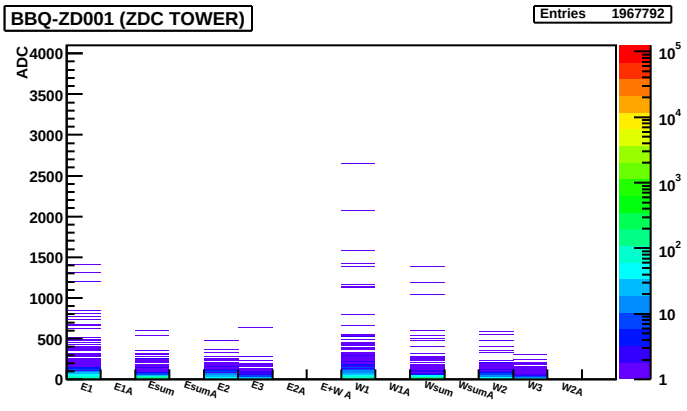

BBQ-BB001 (BBC east small tiles TAC)
Entries 1967792
TAC
QT Input Channel

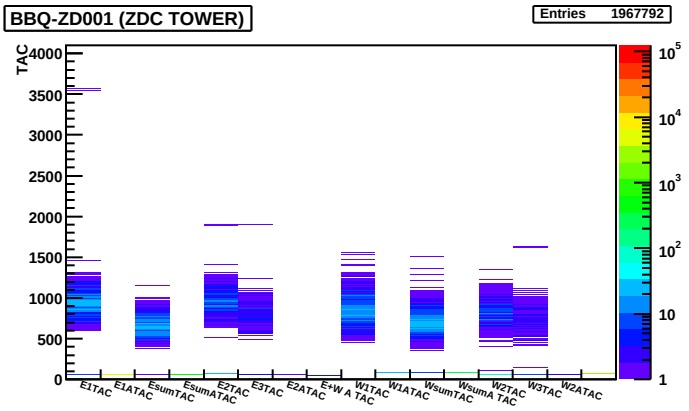

BBQ-BB002 (BBC west small tiles ADC)
Entries 1967792
ADC
QT Input Channel

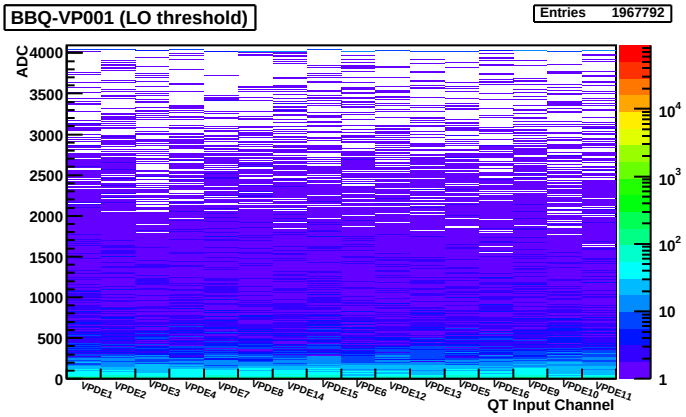

BBQ-BB002 (BBC west small tiles TAC)
Entries 1967792
TAC
QT Input Channel

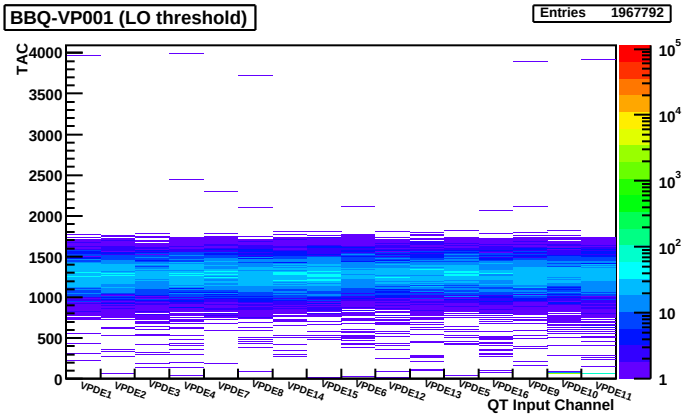

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1967792
ADC
QT Input Channel

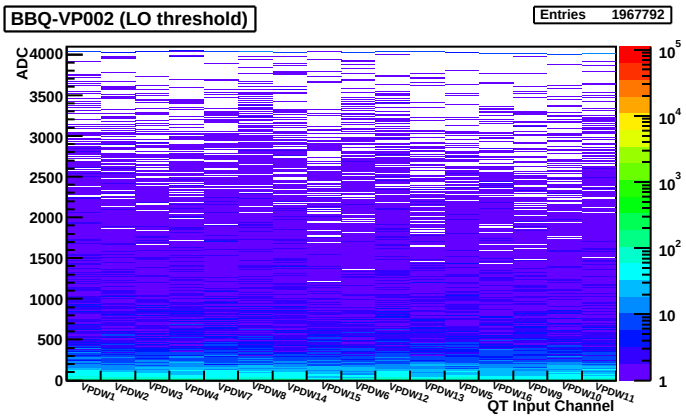

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1967792
TAC
QT Input Channel

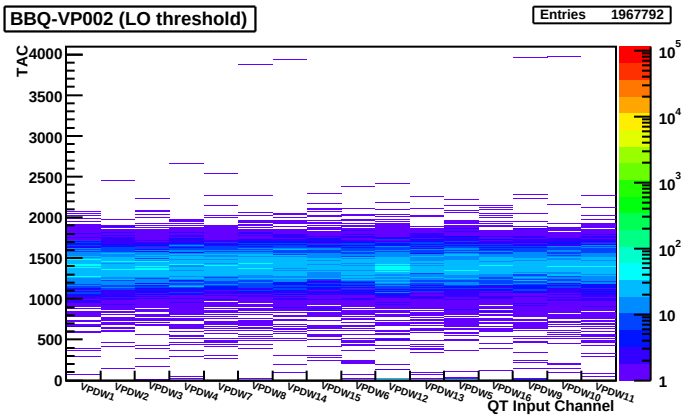

BBQ-ZD001 (ZDC TOWER)
Entries 1967792
ADC

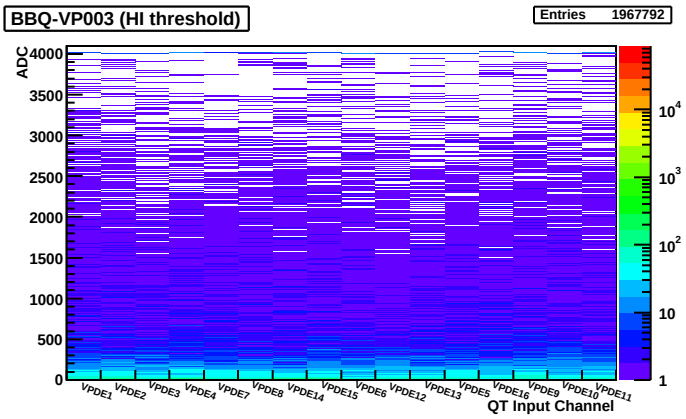

BBQ-ZD001 (ZDC TOWER)
Entries 1967792
TAC

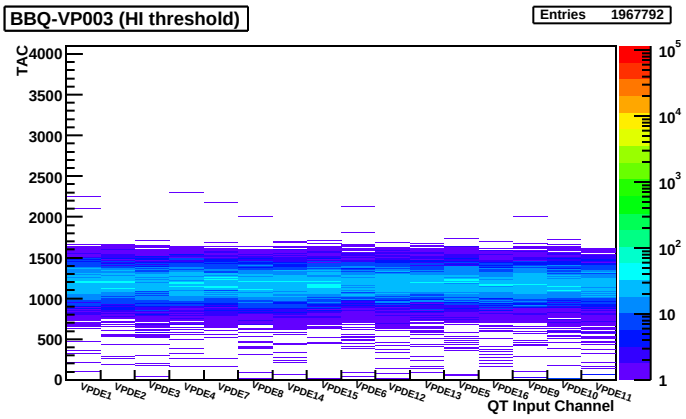

BBQ-VP001 (LO threshold)
Entries 1967792
ADC
QT Input Channel

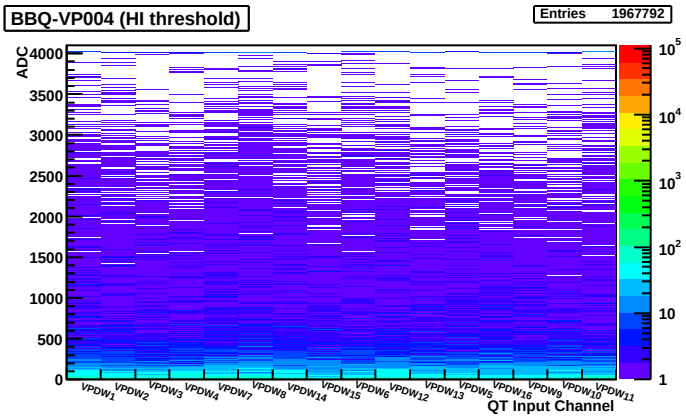

BBQ-VP001 (LO threshold)
Entries 1967792
TAC
QT Input Channel

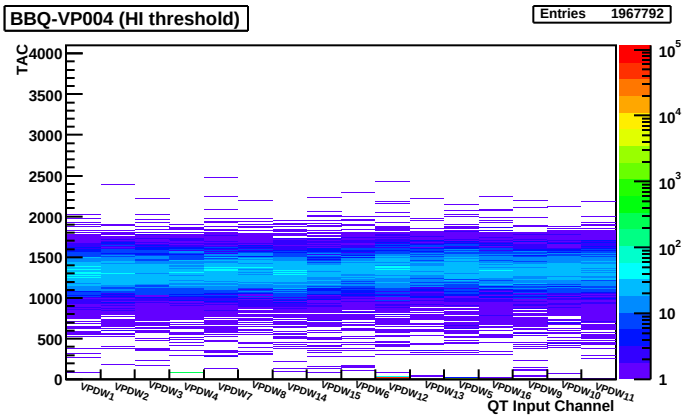

BBQ-VP002 (LO threshold)
Entries 1967792
ADC
QT Input Channel

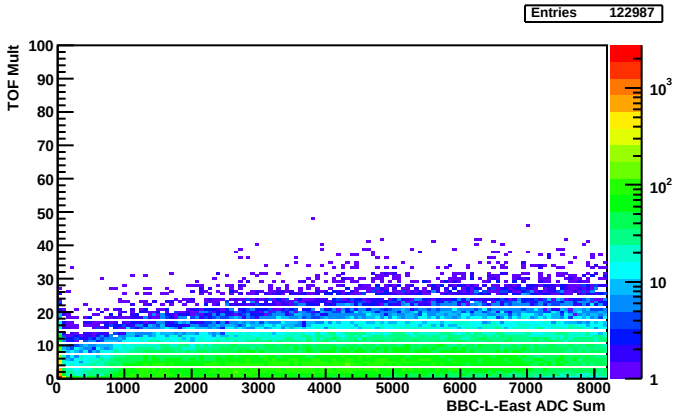

BBQ-VP002 (LO threshold)
Entries 1967792
TAC
QT Input Channel

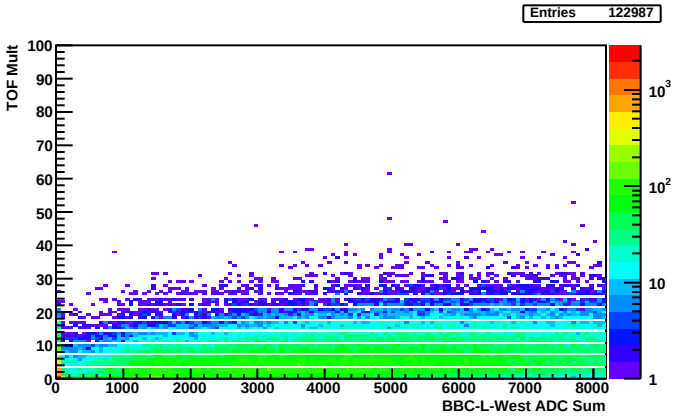

BBQ-VP003 (HI threshold)
Entries 1967792
ADC
QT Input Channel

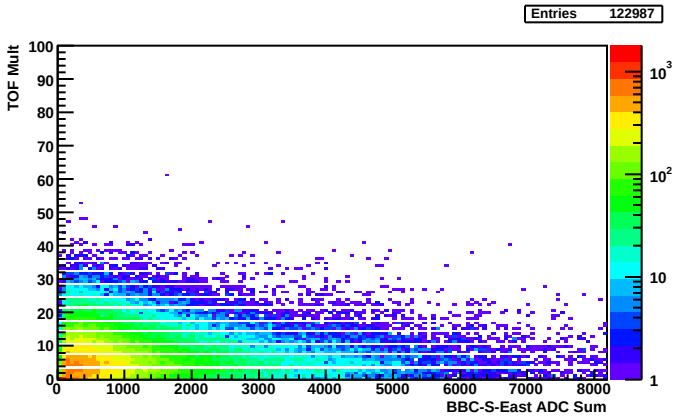

BBQ-VP003 (HI threshold)
Entries 1967792
TAC
QT Input Channel

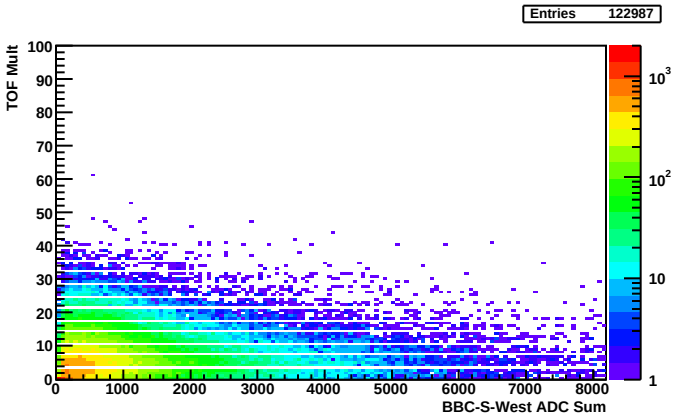

BBQ-VP004 (HI threshold)
Entries 1967792
ADC
QT Input Channel

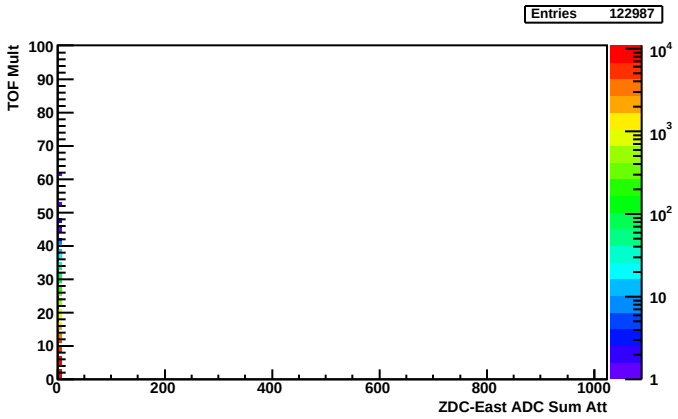

BBQ-VP004 (HI threshold)
Entries 1967792
TAC
QT Input Channel

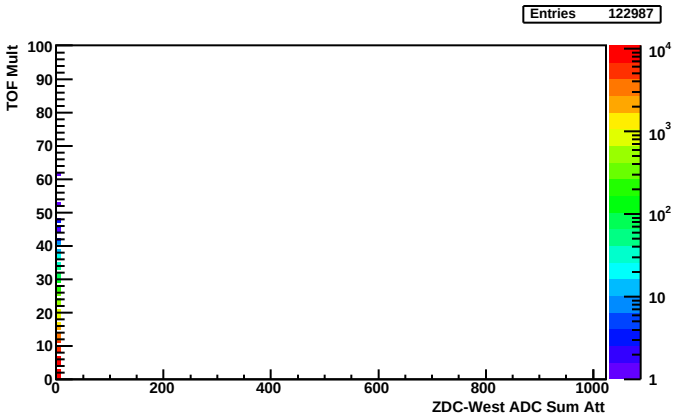

Entries 122987
TOF Mult
BBC-L-East ADC Sum

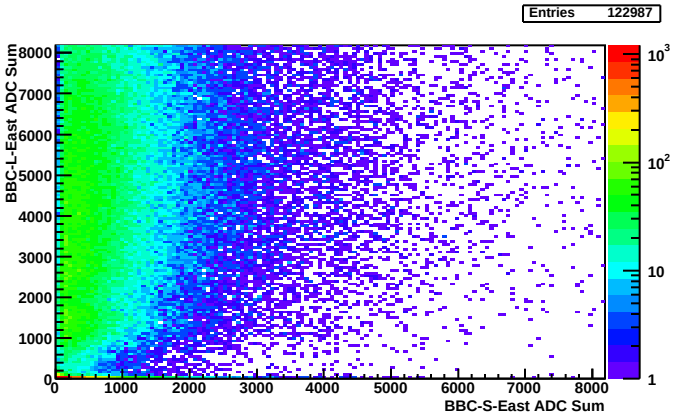

Entries 122987
TOF Mult
BBC-L-West ADC Sum

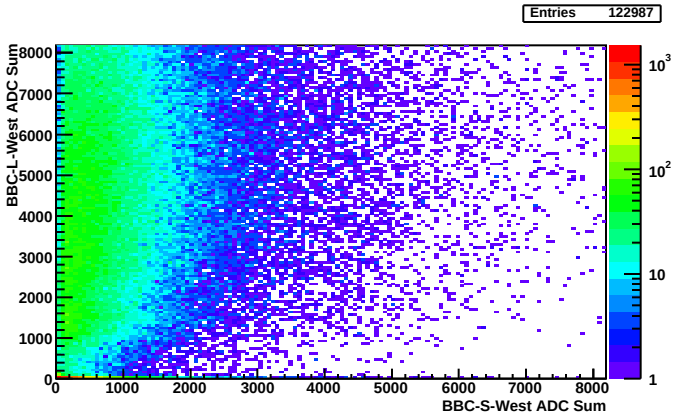

Entries 122987
TOF Mult
BBC-S-East ADC Sum

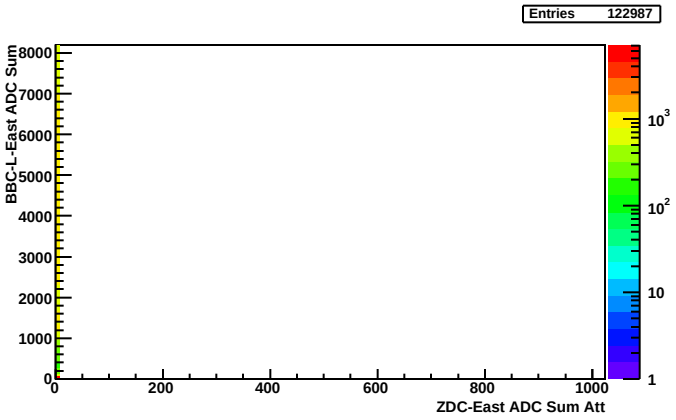

Entries 122987
TOF Mult
BBC-S-West ADC Sum

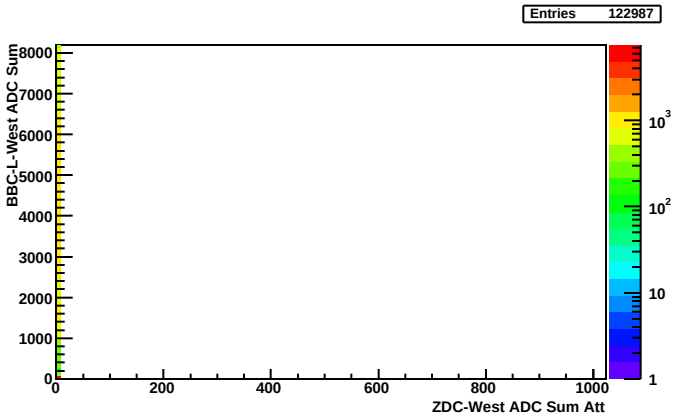

Entries 122987
TOF Mult
ZDC-East ADC Sum Att

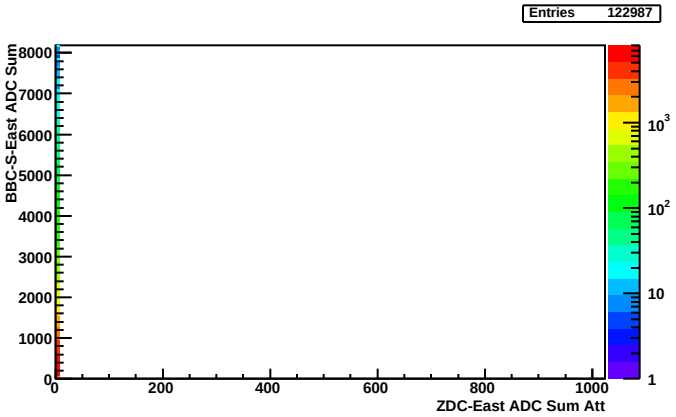

Entries 122987
TOF Mult
ZDC-West ADC Sum Att

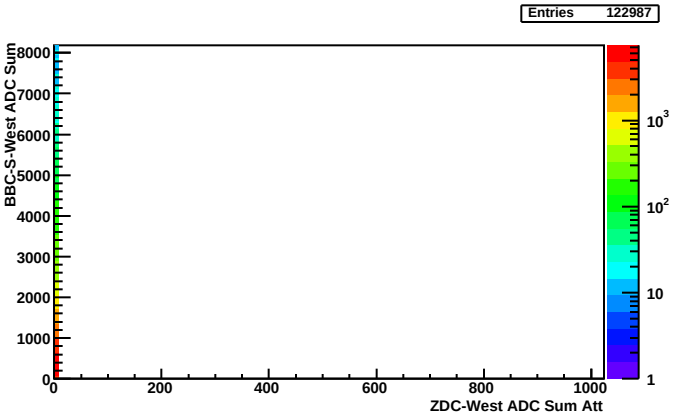

Entries 122987
BBC-L-East ADC Sum
BBC-S-East ADC Sum

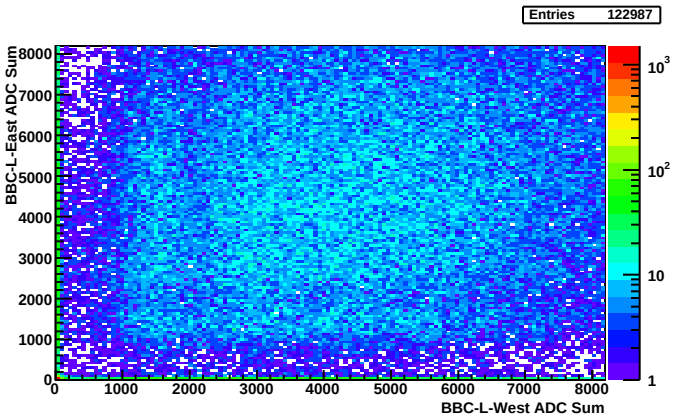

Entries 122987
BBC-L-West ADC Sum
BBC-S-West ADC Sum

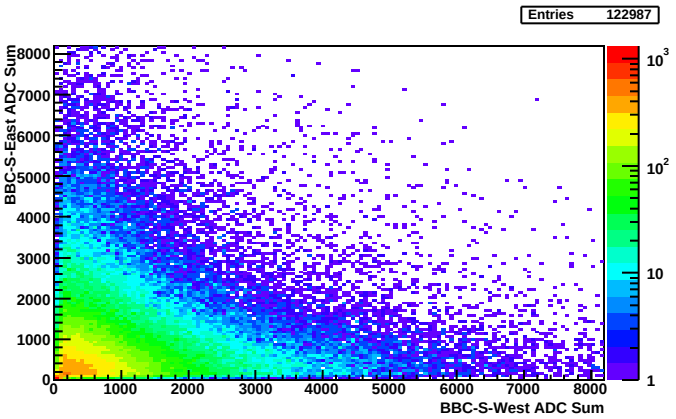

Entries 122987
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

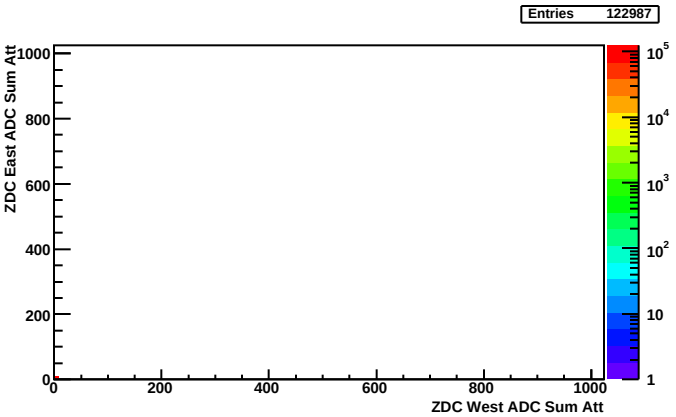

Entries 122987
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

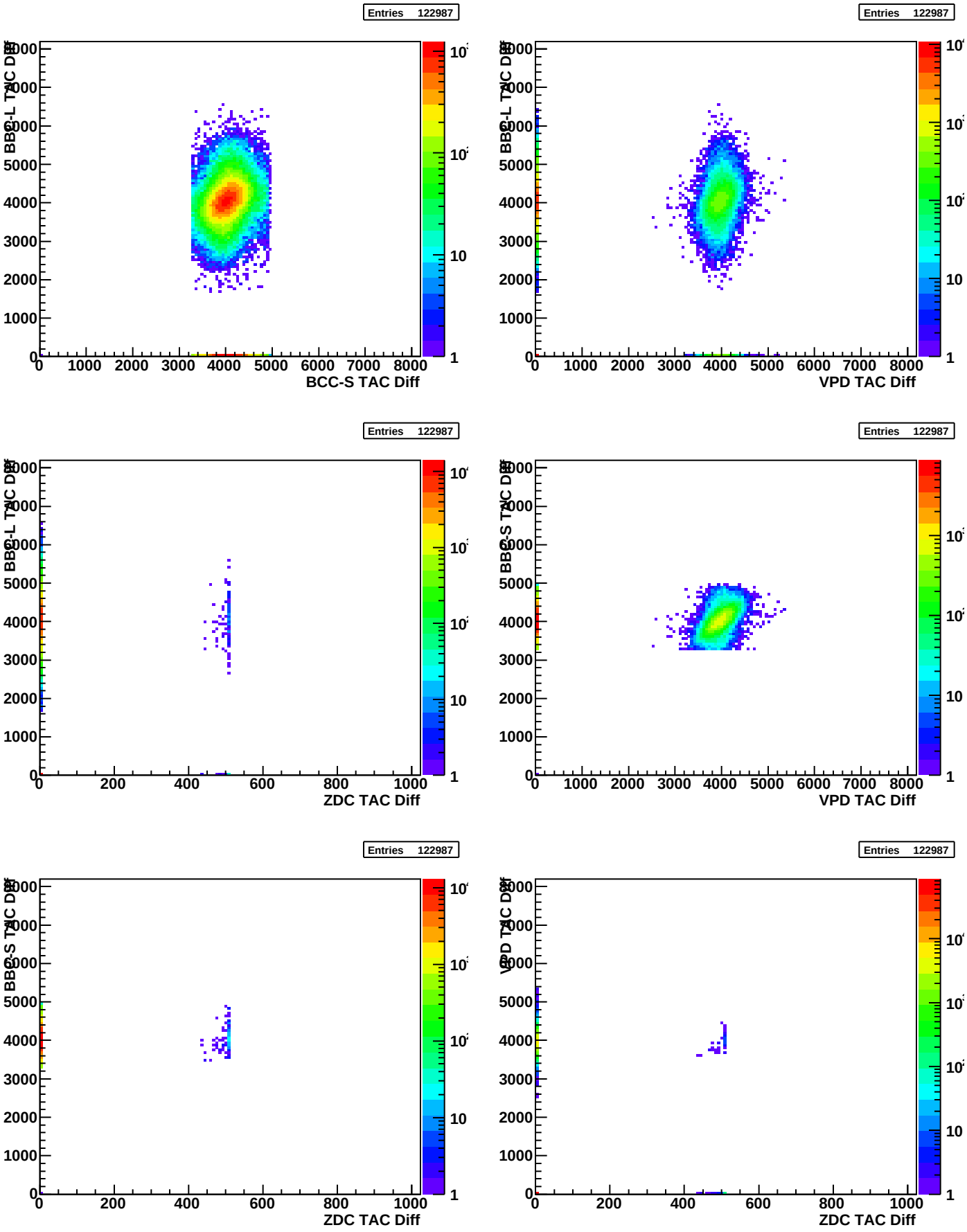

Entries 122987
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

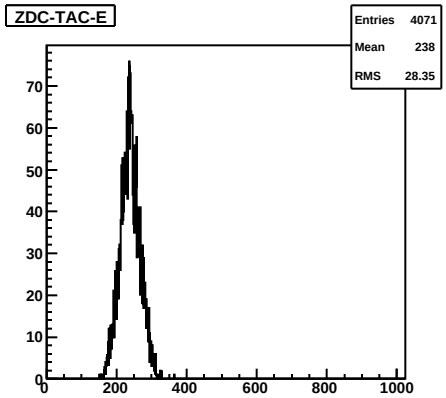

Entries 122987
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

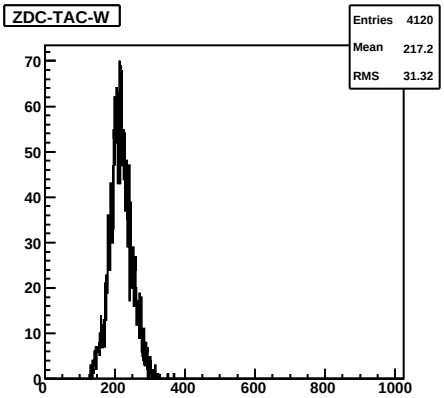

Entries 122987
BBC-L-East ADC Sum
BBC-L-West ADC Sum

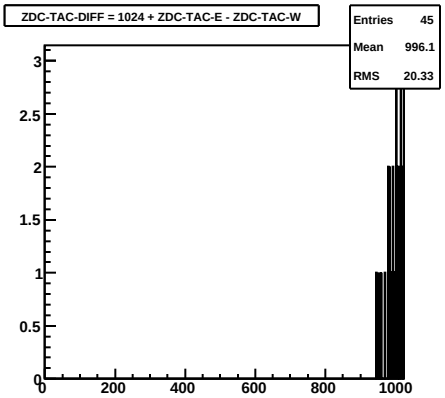

Entries 122987
BBC-S-East ADC Sum
BBC-S-West ADC Sum

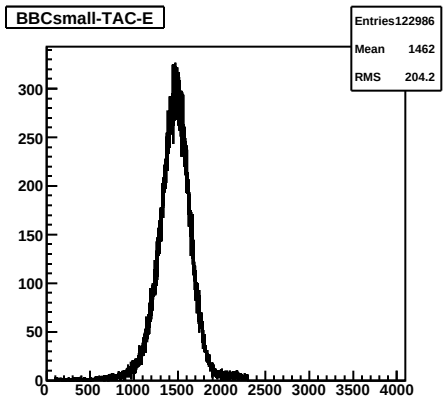

Entries 122987
ZDC East ADC Sum Att
ZDC West ADC Sum Att

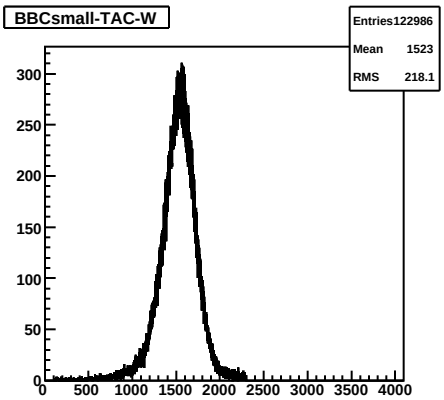

Entries 122987
BBC-L TAC Diff
BCC-S TAC Diff
Entries 122987
BBC-L TAC Diff
VPD TAC Diff
Entries 122987
BBC-L TAC Diff
ZDC TAC Diff
Entries 122987
BBC-S TAC Diff
VPD TAC Diff
Entries 122987
BBC-S TAC Diff
ZDC TAC Diff
Entries 122987
VPD TAC Diff
ZDC TAC Diff

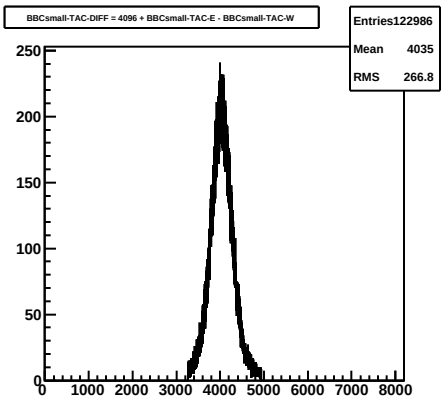

ZDC-TAC-E
Entries 4071
Mean 238
RMS 28.35

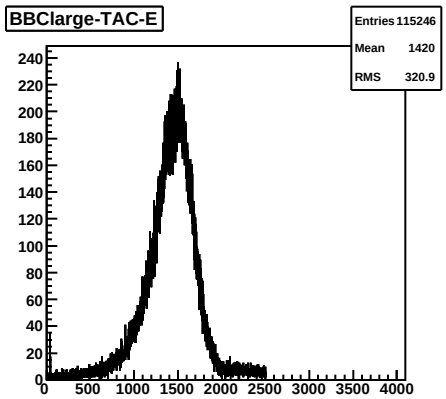

ZDC-TAC-W
Entries 4120
Mean 217.2
RMS 31.32

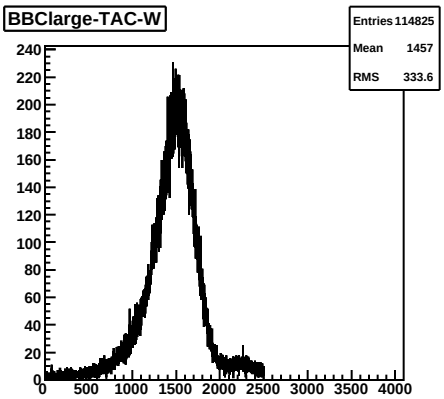

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 45
Mean 996.1
RMS 20.33

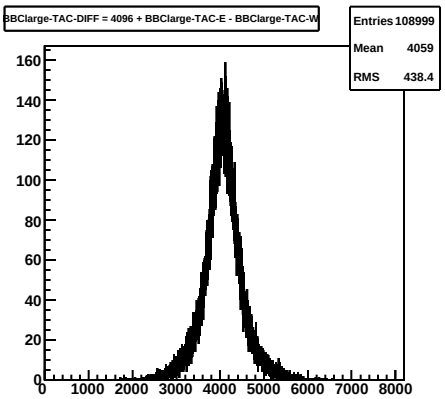

BBCsmall-TAC-E
Entries 122986
Mean 1462
RMS 204.2

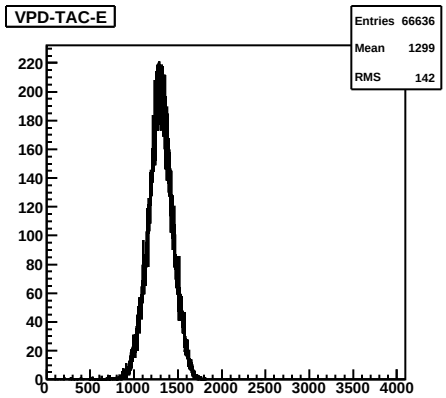

BBCsmall-TAC-W
Entries 122986
Mean 1523
RMS 218.1

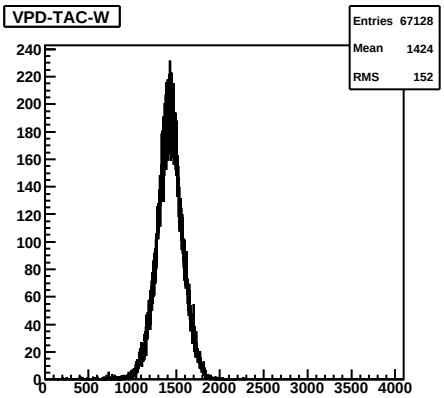

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 122986
Mean 4035
RMS 266.8

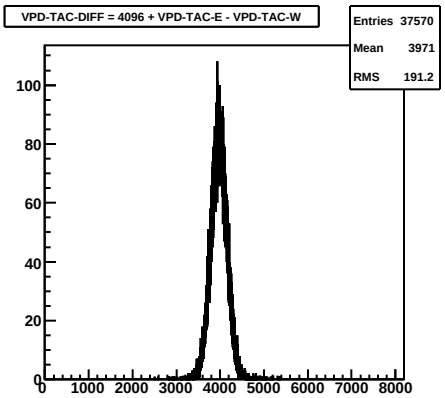

BBClarge-TAC-E
Entries 115246
Mean 1420
RMS 320.9

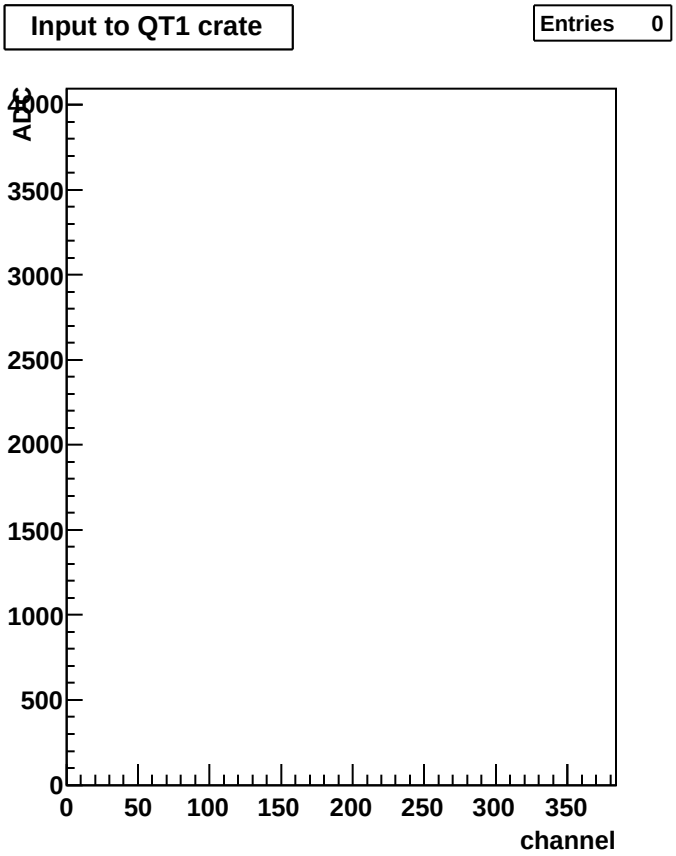

BBClarge-TAC-W
Entries 114825
Mean 1457
RMS 333.6

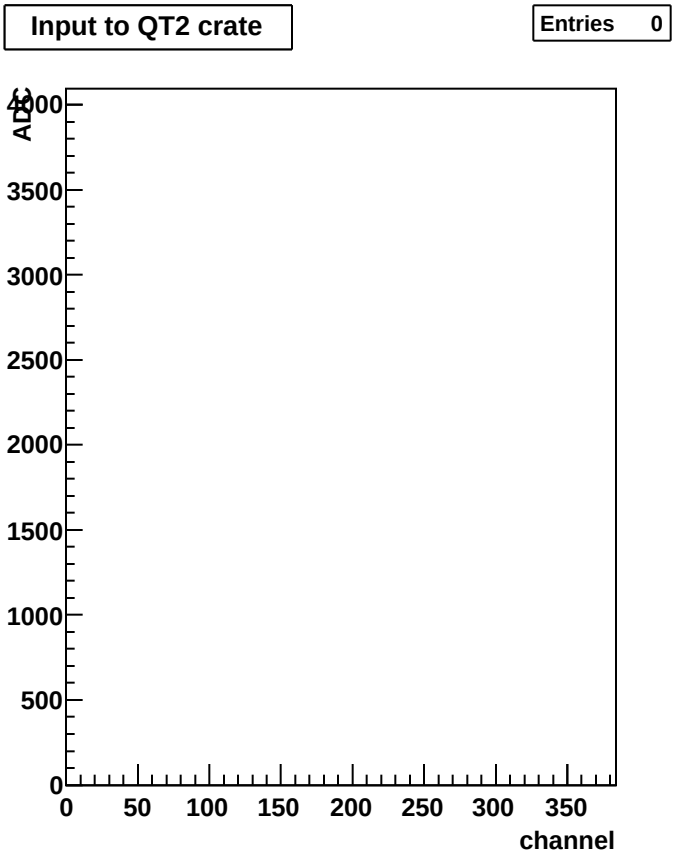

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 108999
Mean 4059
RMS 438.4

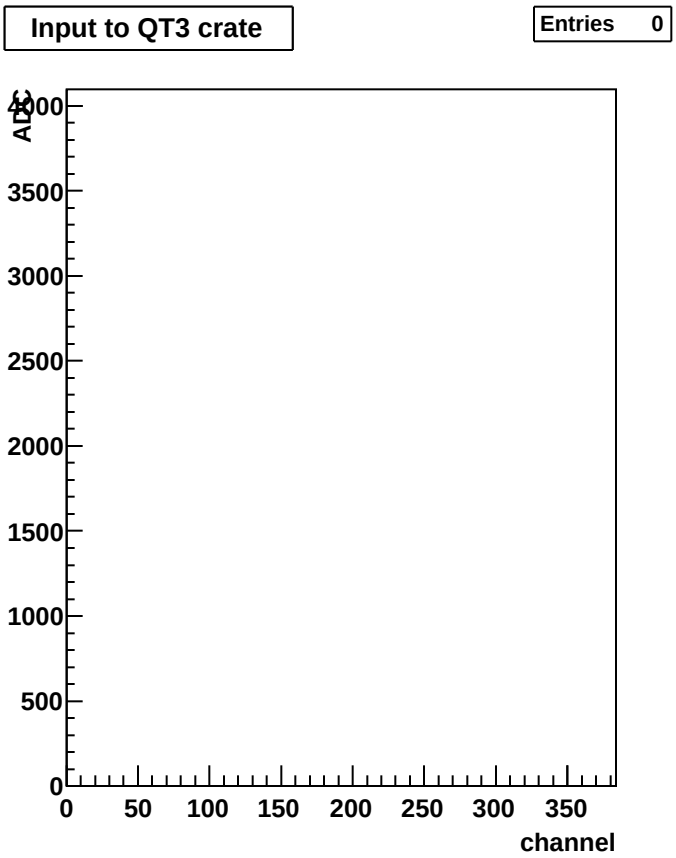

VPD-TAC-E
Entries 66636
Mean 1299
RMS 142

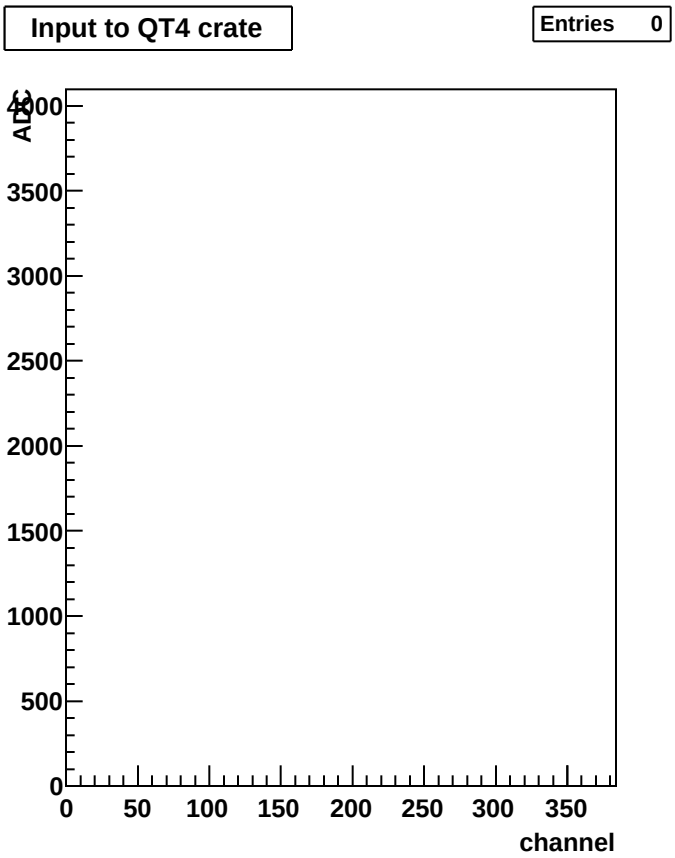

VPD-TAC-W
Entries 67128
Mean 1424
RMS 152

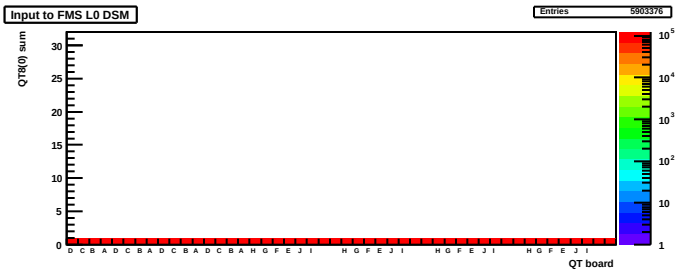

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 37570
Mean 3971
RMS 191.2

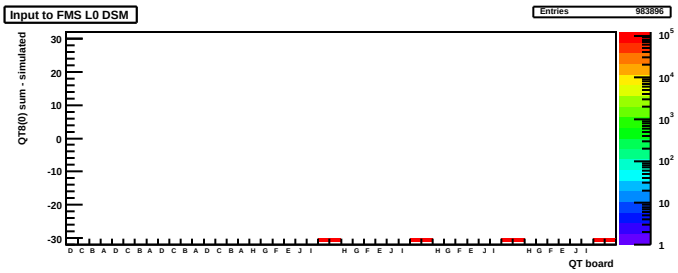

Input to QT1 crate
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

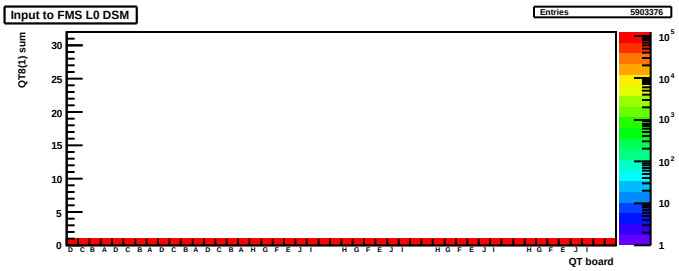

Input to QT2 crate
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

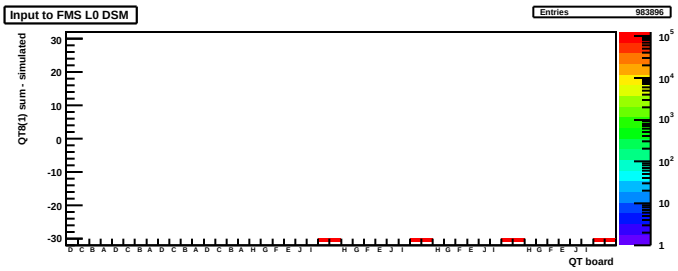

Input to QT3 crate
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

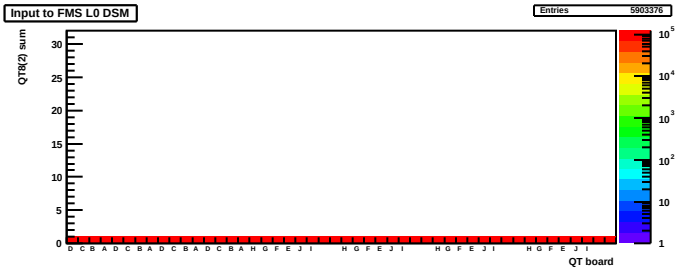

Input to QT4 crate
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

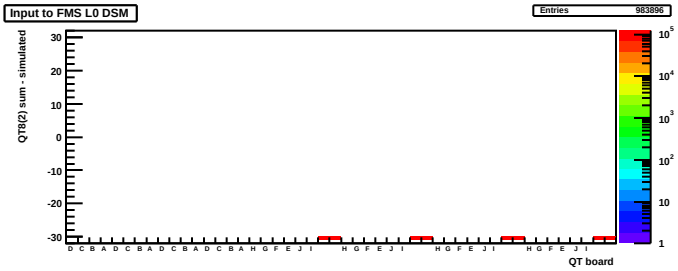

Input to FMS L0 DSM
Entries 5903376
QT8(0) sum
QT board

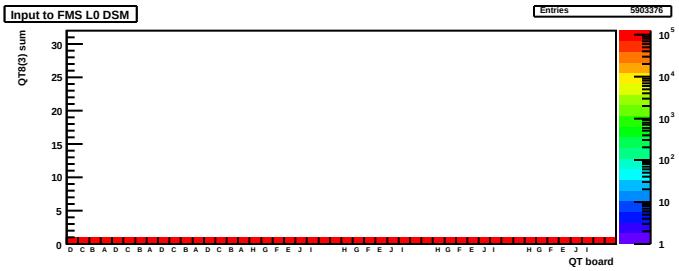

Input to FMS L0 DSM
Entries 983896
QT8(0) sum - simulated
QT board

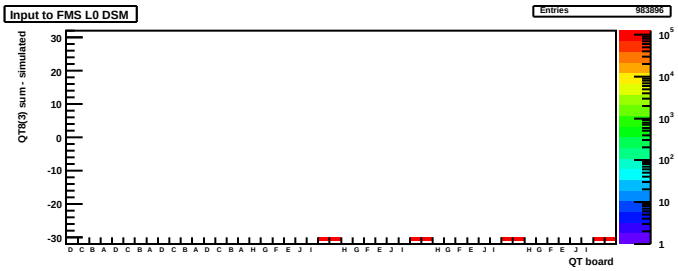

Input to FMS L0 DSM
Entries 5903376
QT8(1) sum
QT board

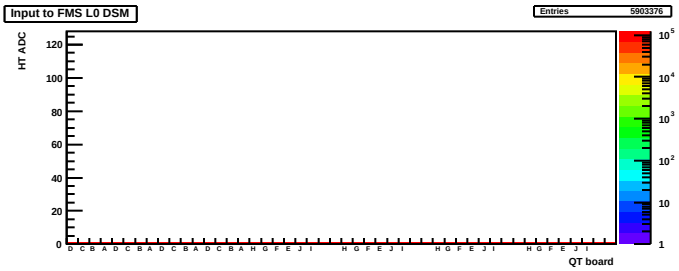

Input to FMS L0 DSM
Entries 983896
QT8(1) sum - simulated
QT board

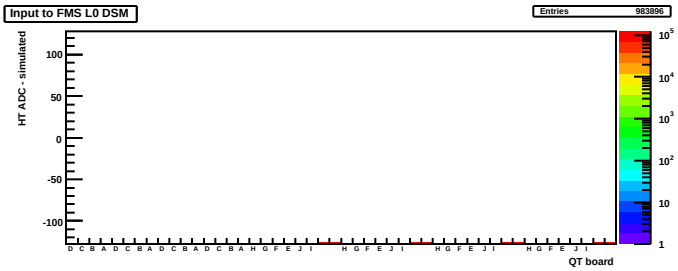

Input to FMS L0 DSM
Entries 5903376
QT8(2) sum
QT board

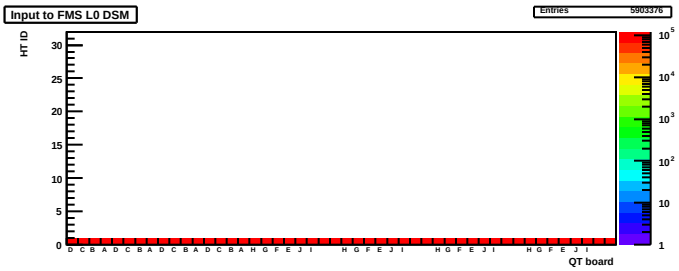

Input to FMS L0 DSM
Entries 983896
QT8(2) sum - simulated
QT board

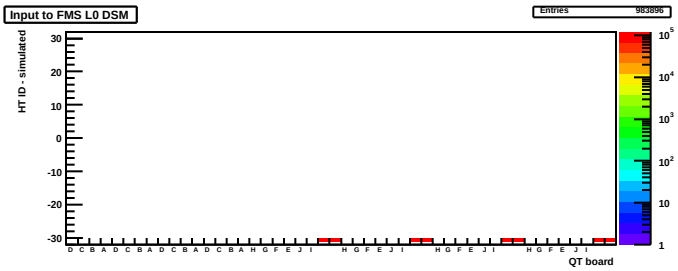

Input to FMS L0 DSM
Entries 5903376
QT8(3) sum
QT board

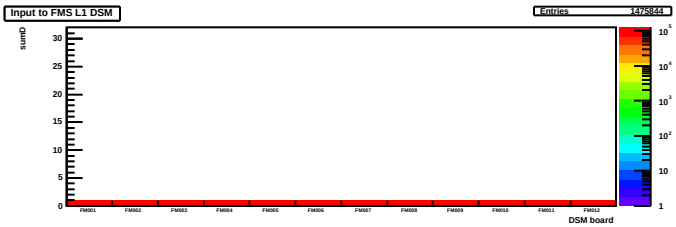

Input to FMS L0 DSM
Entries 983896
QT8(3) sum - simulated
QT board

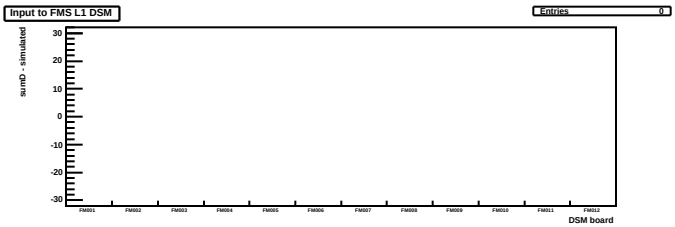

Input to FMS L0 DSM
Entries 5903376
HT ADC
QT board

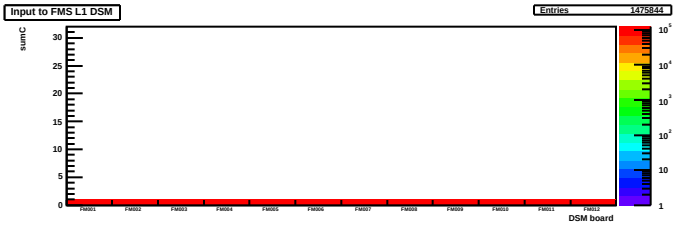

Input to FMS L0 DSM
Entries 983896
HT ADC - simulated
QT board

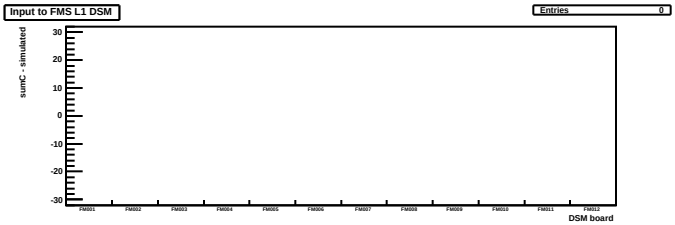

Input to FMS L0 DSM
Entries 5903376
HT ID
QT board

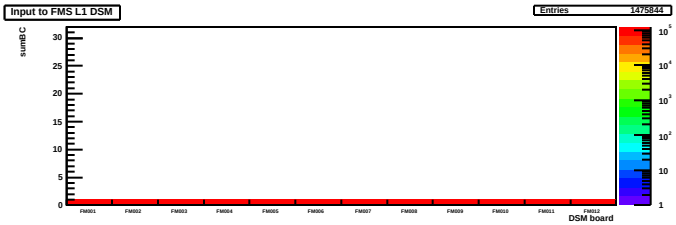

Input to FMS L0 DSM
Entries 983896
HT ID - simulated
QT board

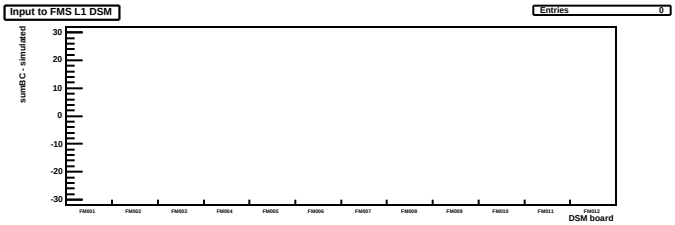

Input to FMS L1 DSM
Entries 1475844
sumD
DSM board

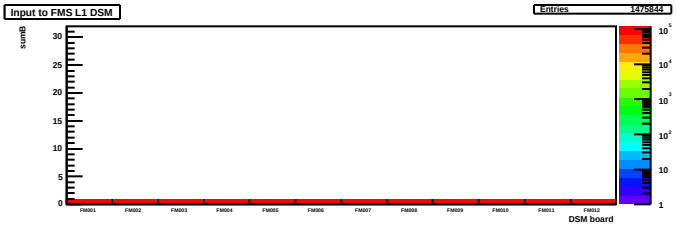

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

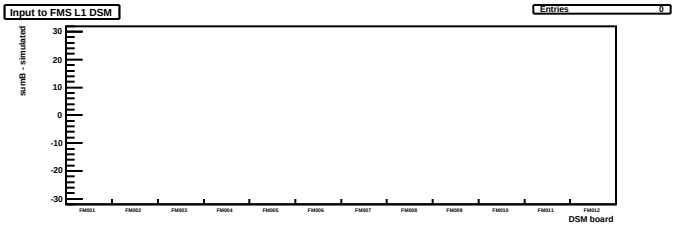

Input to FMS L1 DSM
Entries 1475844
sumC
DSM board

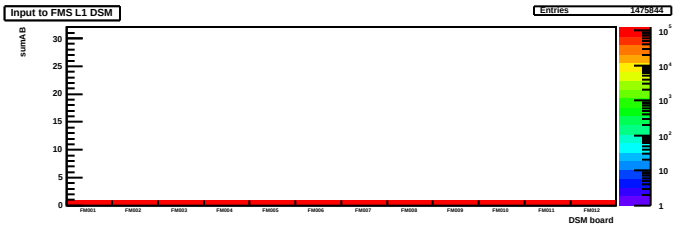

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

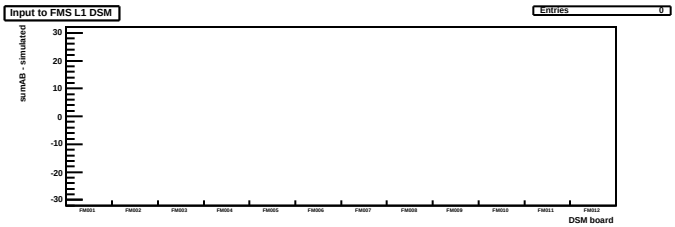

Input to FMS L1 DSM
Entries 1475844
sumBC
DSM board

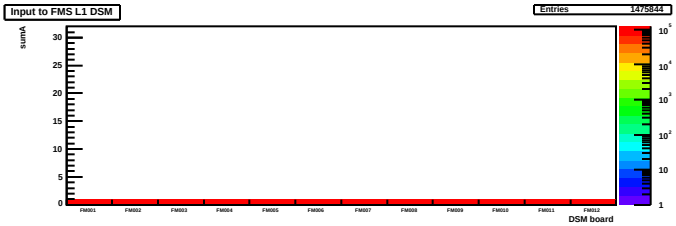

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

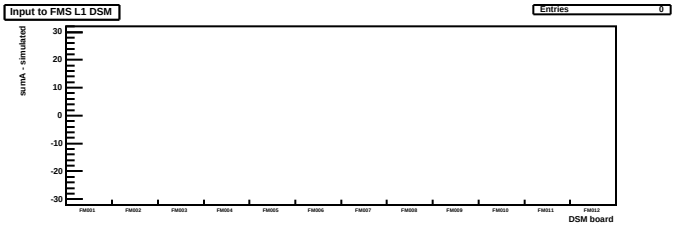

Input to FMS L1 DSM
Entries 1475844
sumB
DSM board

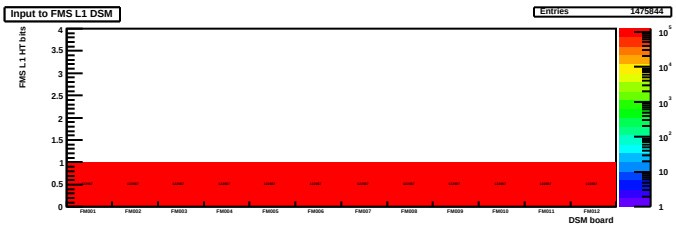

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

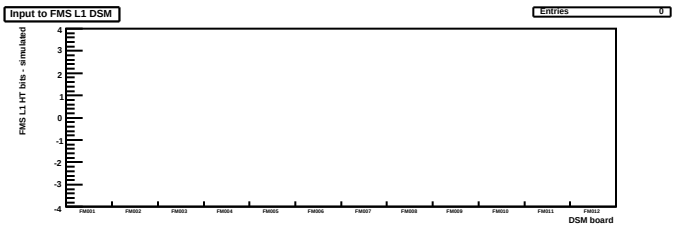

Input to FMS L1 DSM
Entries 1475844
sumAB
DSM board

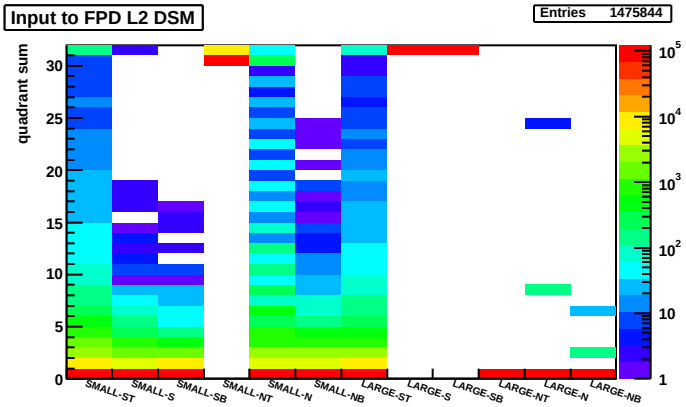

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

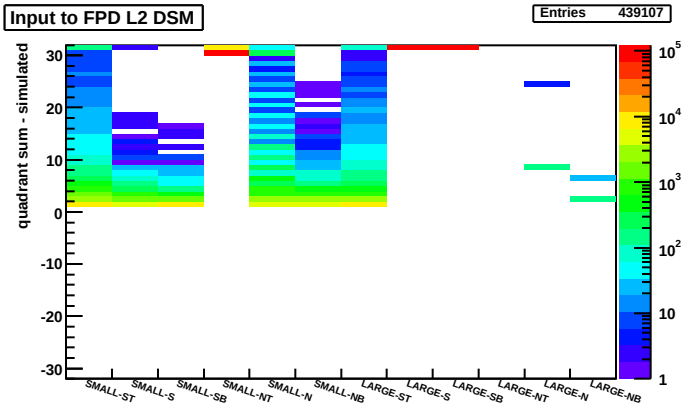

Input to FMS L1 DSM
Entries 1475844
sumA
DSM board

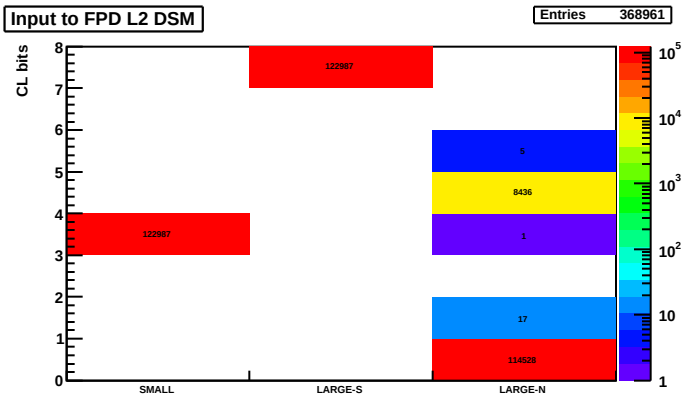

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

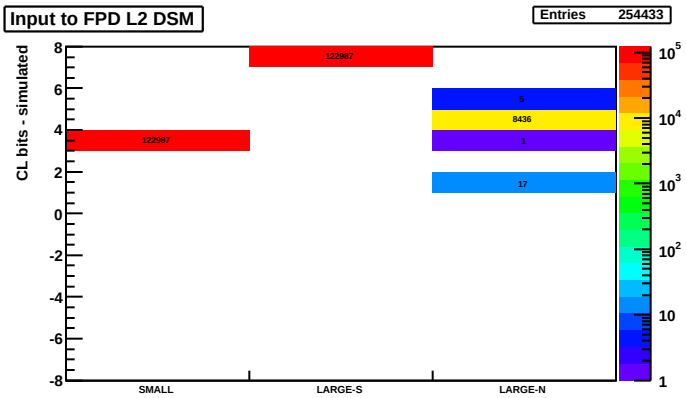

Input to FMS L1 DSM
Entries 1475844
FMS L1 HT bits
DSM board

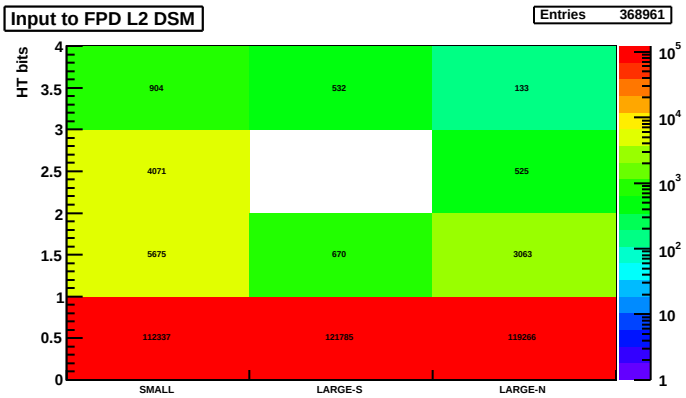

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

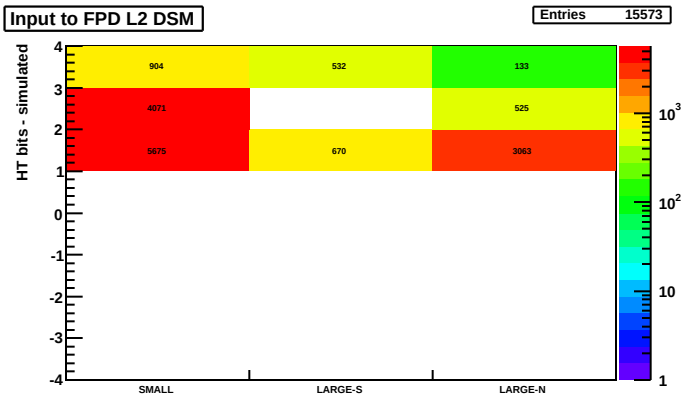

Input to FPD L2 DSM
Entries 1475844
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

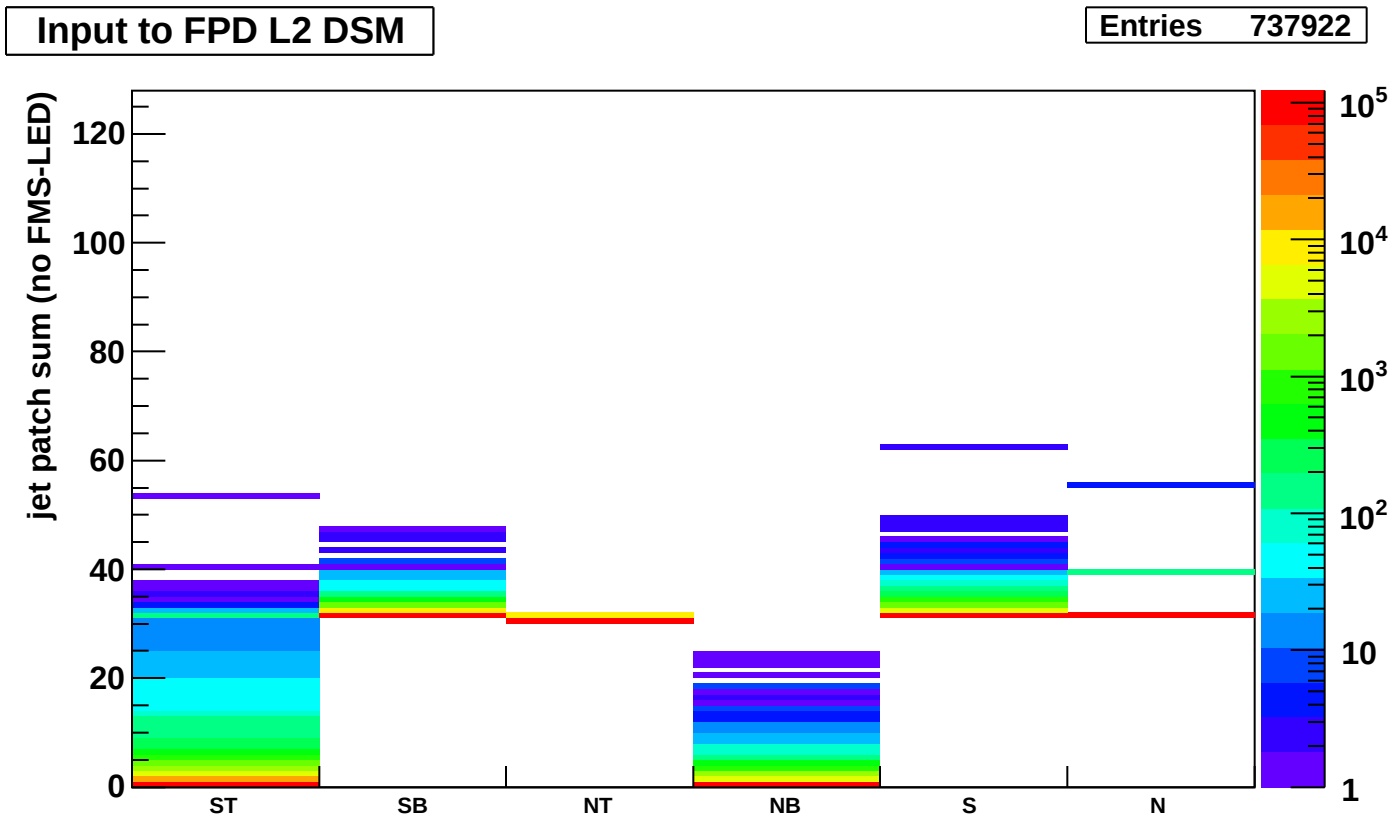

Input to FPD L2 DSM
Entries 439107
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

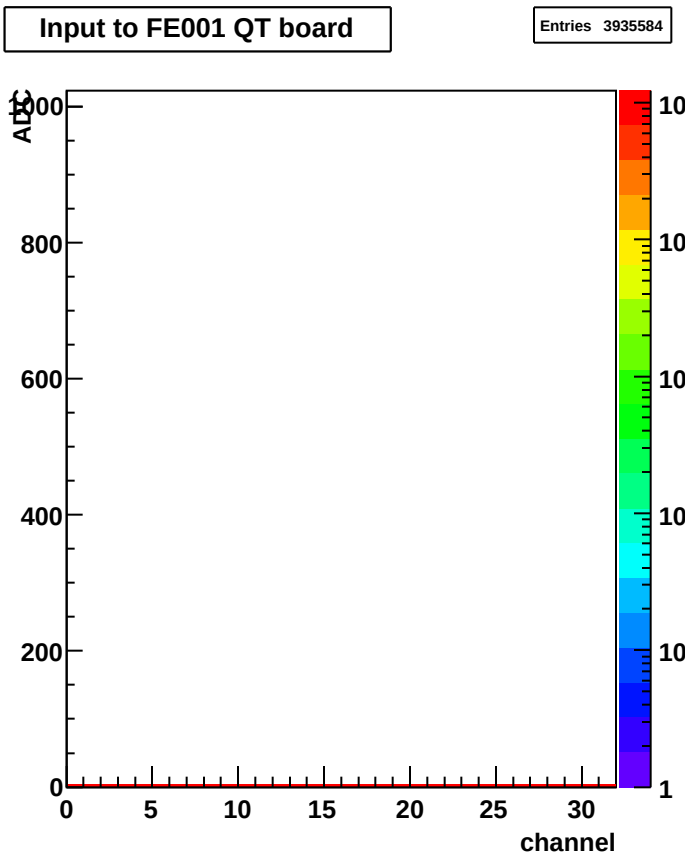

Input to FPD L2 DSM
Entries 368961
CL bits
122987
122987
5
8436
1
17
114528
SMALL
LARGE-S
LARGE-N

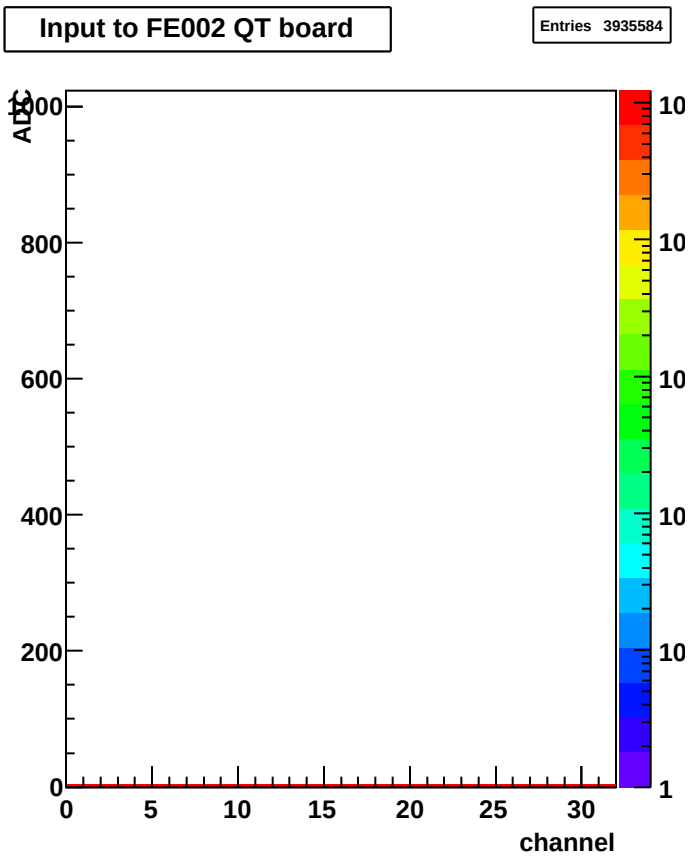

Input to FPD L2 DSM
Entries 254433
CL bits - simulated
122987
122987
5
8436
1
17
SMALL
LARGE-S
LARGE-N

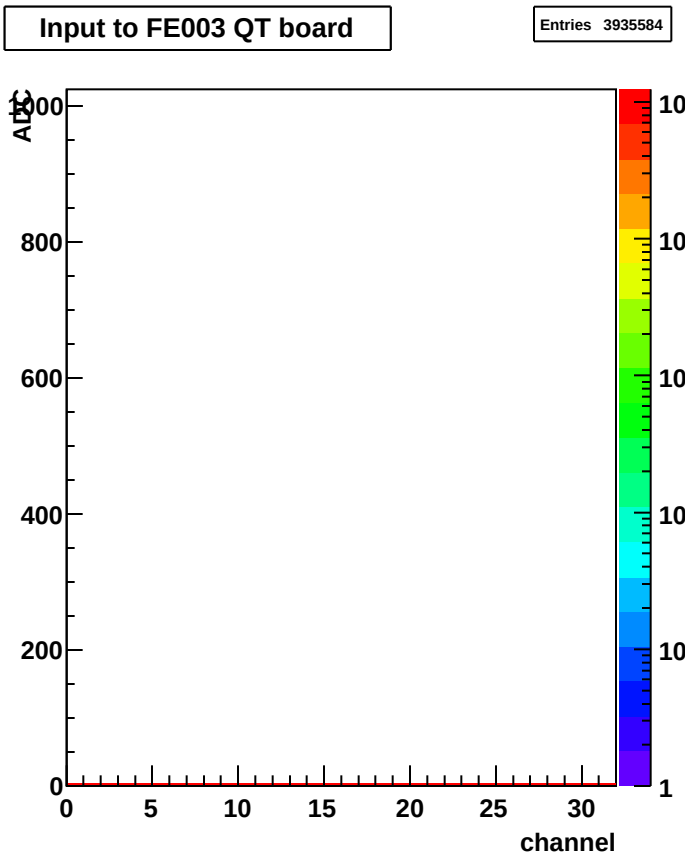

Input to FPD L2 DSM
Entries 368961
HT bits
904
532
133
4071
525
5675
670
3063
112337
121785
119266
SMALL
LARGE-S
LARGE-N

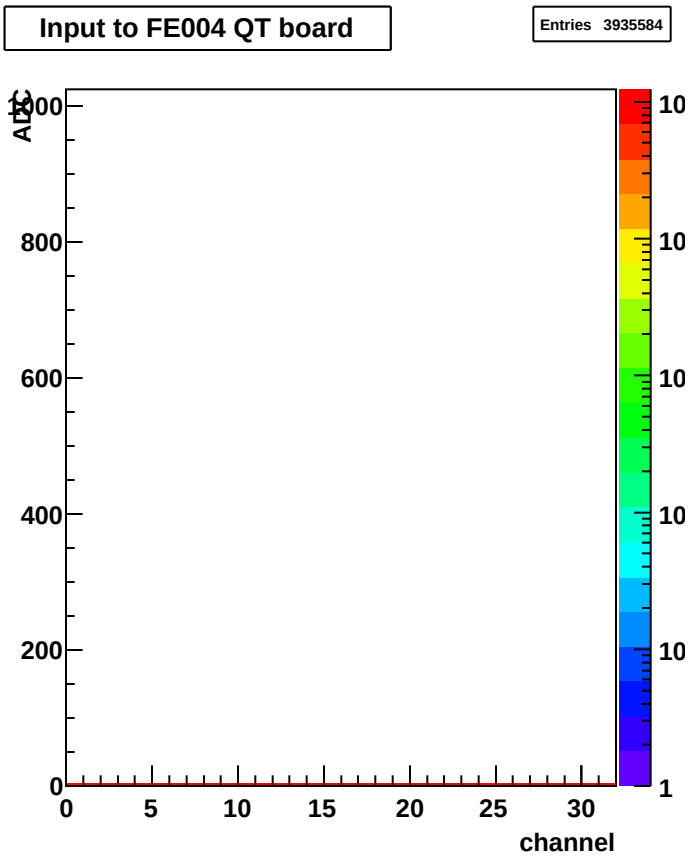

Input to FPD L2 DSM
Entries 15573
HT bits - simulated
904
532
133
4071
525
5675
670
3063
SMALL
LARGE-S
LARGE-N

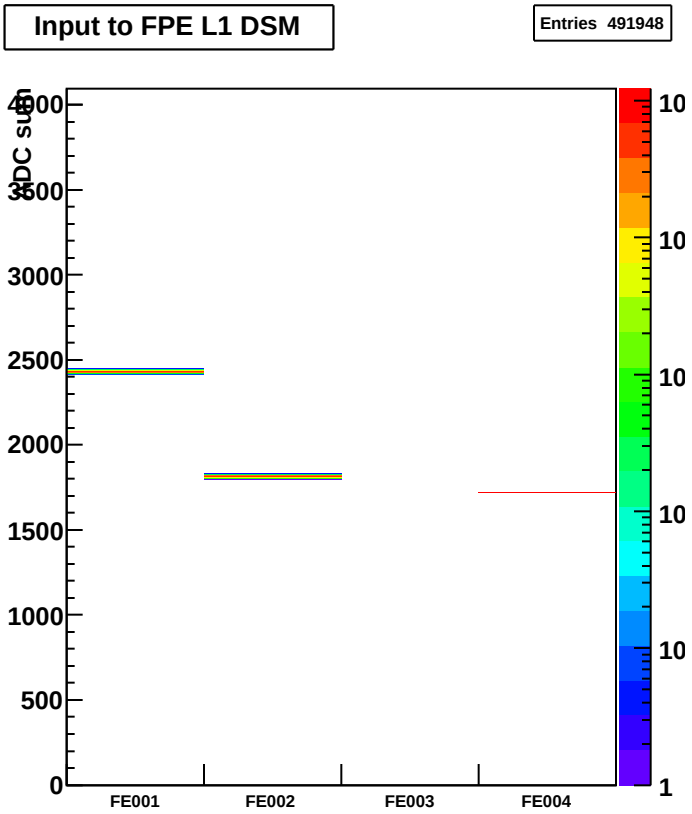

Input to FPD L2 DSM
Entries 737922
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4
10^5

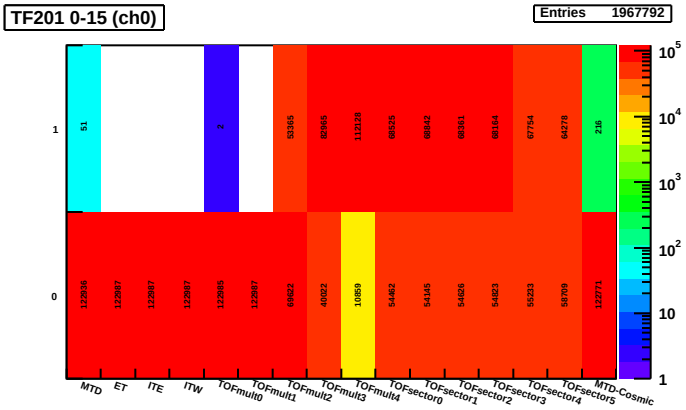

Input to FE001 QT board
Entries 3935584
ADC
channel

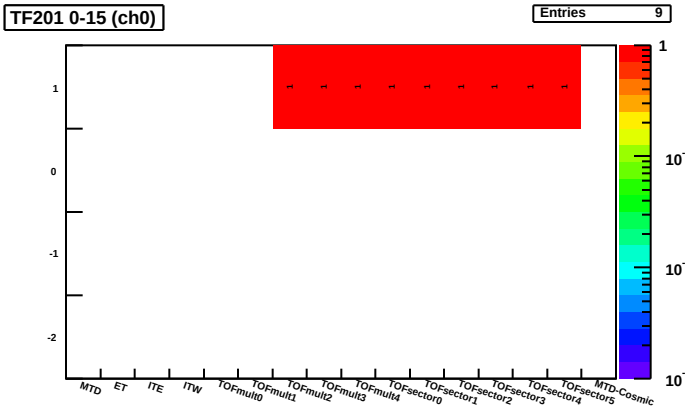

Input to FE002 QT board
Entries 3935584
ADC
channel

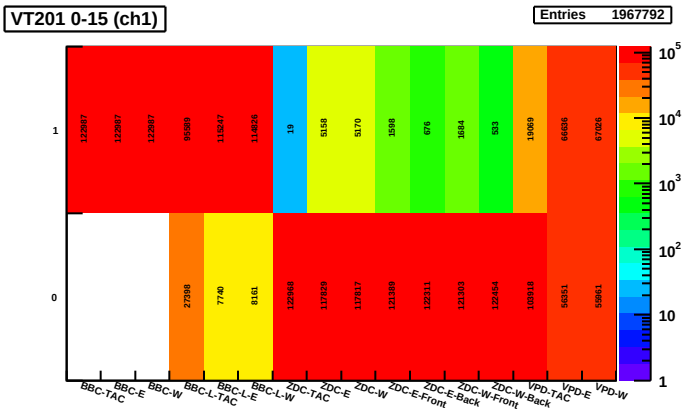

Input to FE003 QT board
Entries 3935584
ADC
channel

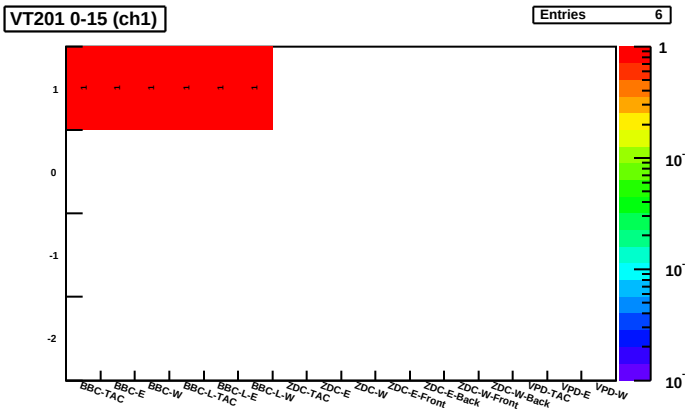

Input to FE004 QT board
Entries 3935584
ADC
channel

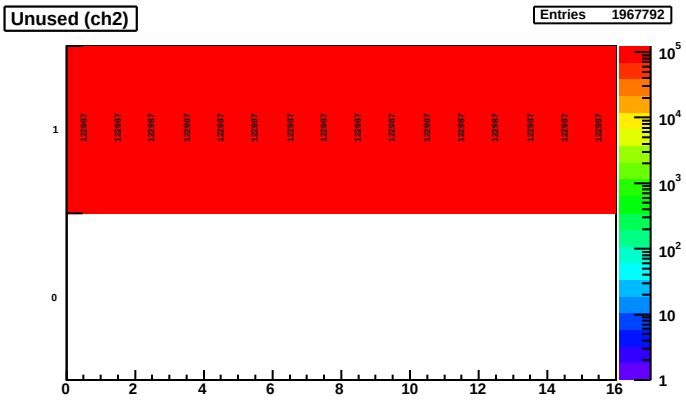

Input to FPE L1 DSM
Entries 491948
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1

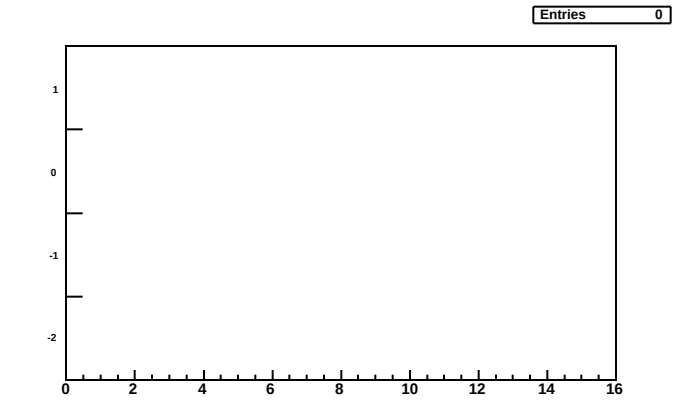

TF201 0-15 (ch0)
Entries 1967792
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

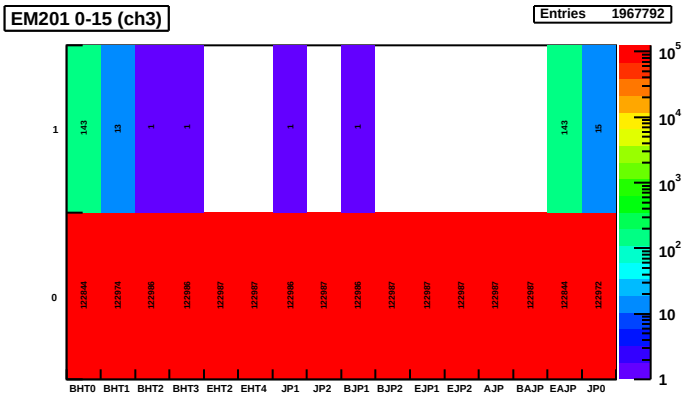

TF201 0-15 (ch0)
Entries 9
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

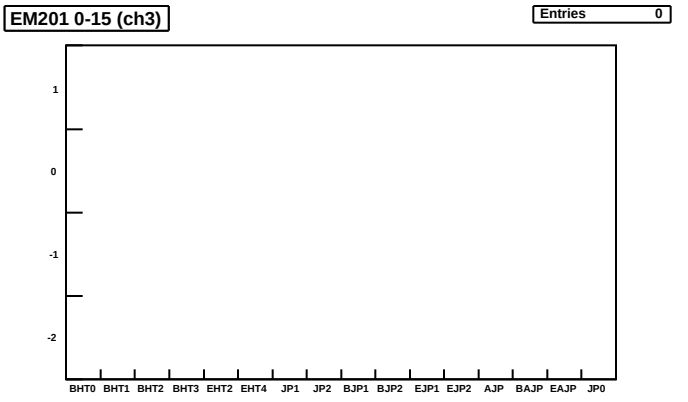

VT201 0-15 (ch1)
Entries 1967792
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

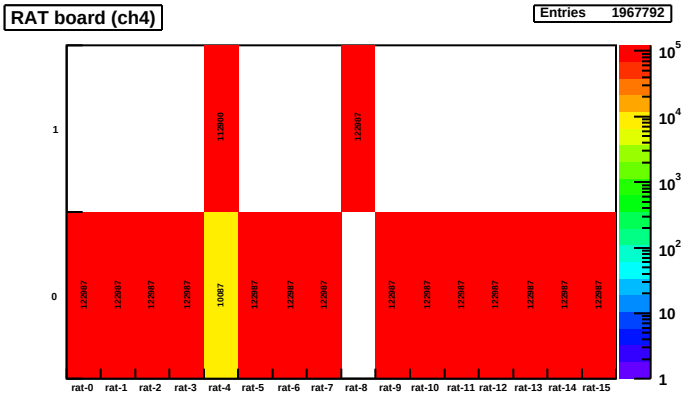

VT201 0-15 (ch1)
Entries 6
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

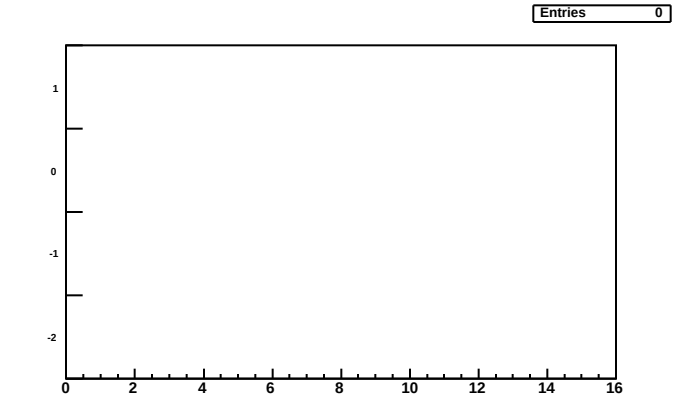

Unused (ch2)
Entries 1967792

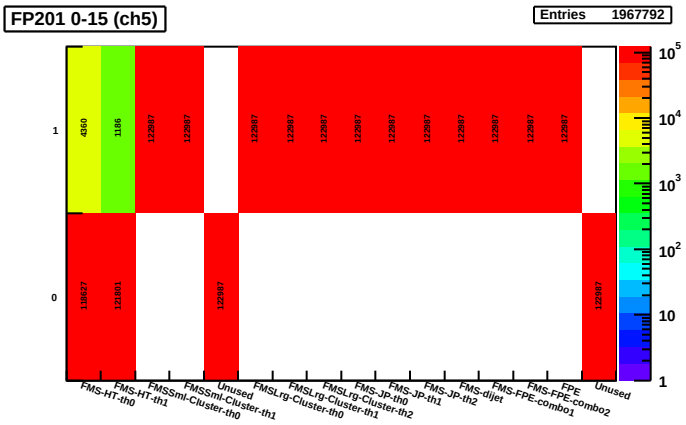

Entries 0

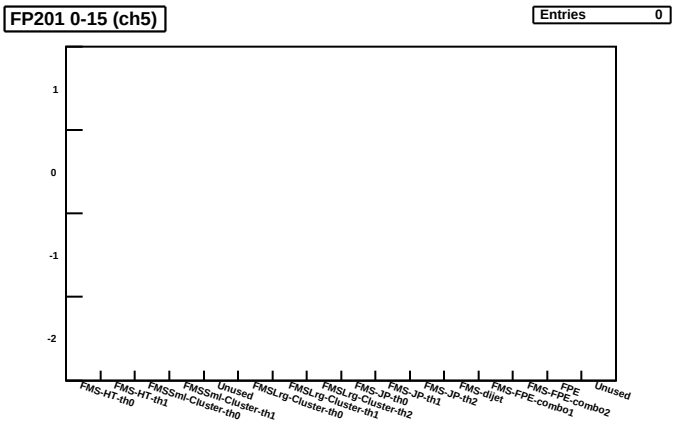

EM201 0-15 (ch3)
Entries 1967792
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

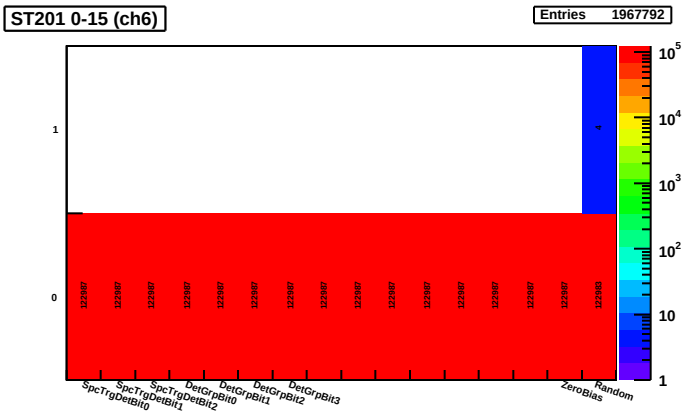

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

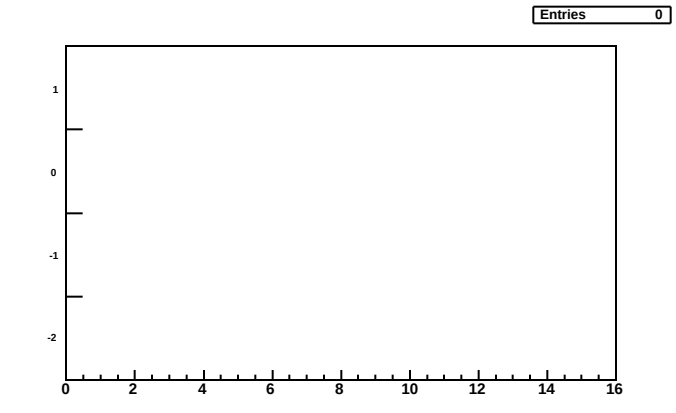

RAT board (ch4)
Entries 1967792
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

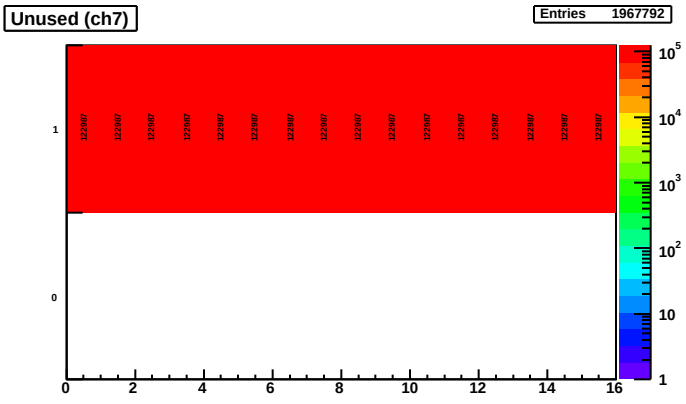

Entries 0


FP201 0-15 (ch5)
Entries 1967792
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 Unused FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-dijet FMS-FPE-combo1 FPE FMS-FPE-combo2 Unused


FP201 0-15 (ch5)
Entries 0
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 Unused FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-dijet FMS-FPE-combo1 FPE FMS-FPE-combo2 Unused


ST201 0-15 (ch6)
Entries 1967792
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0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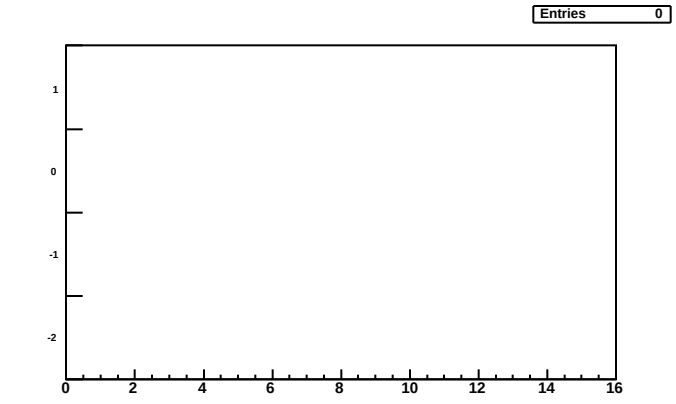
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