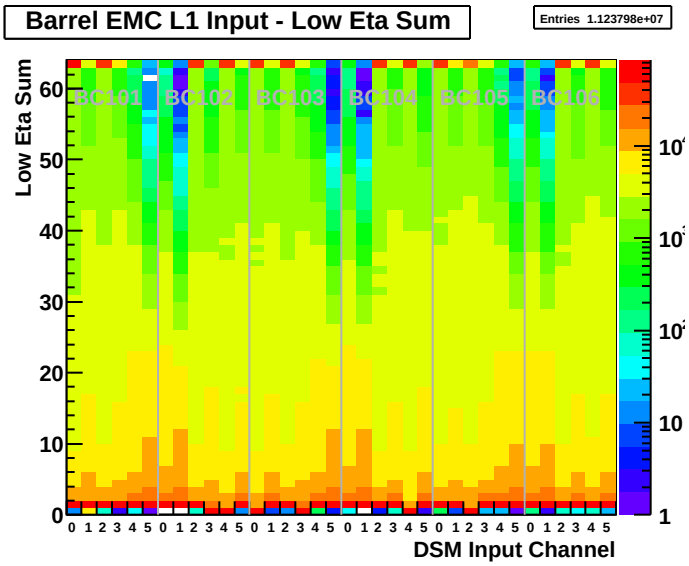
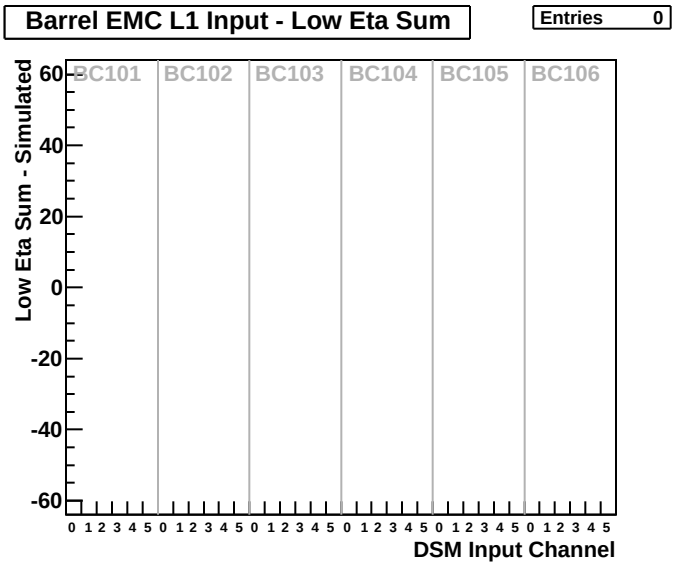
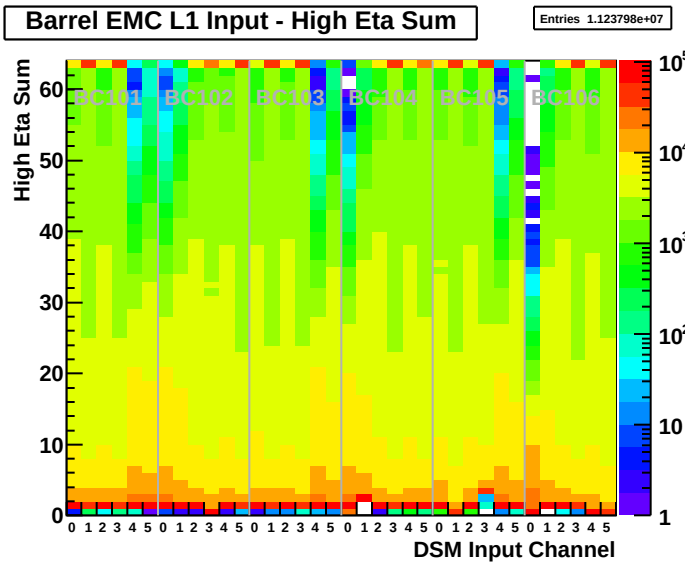
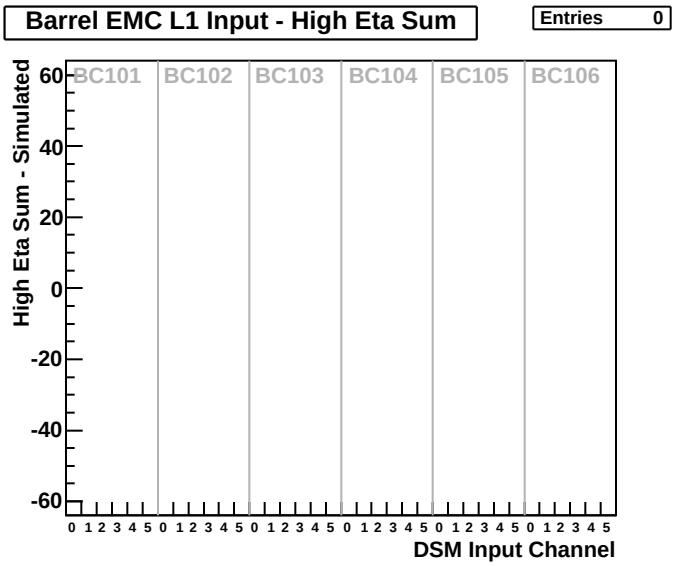
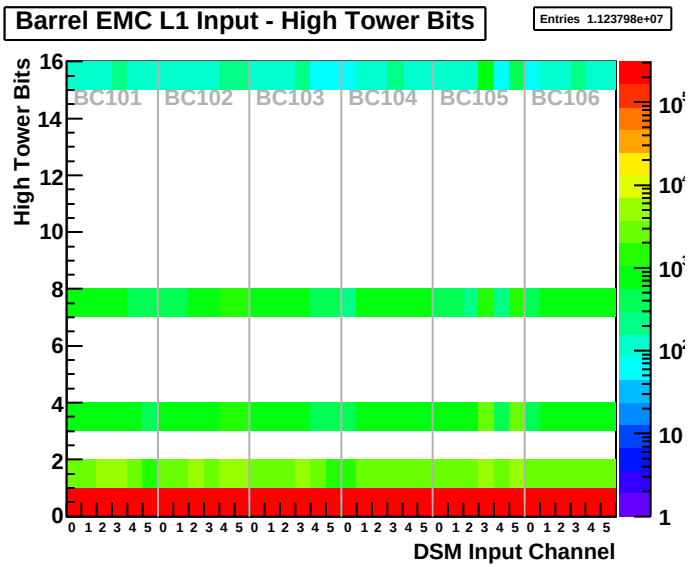
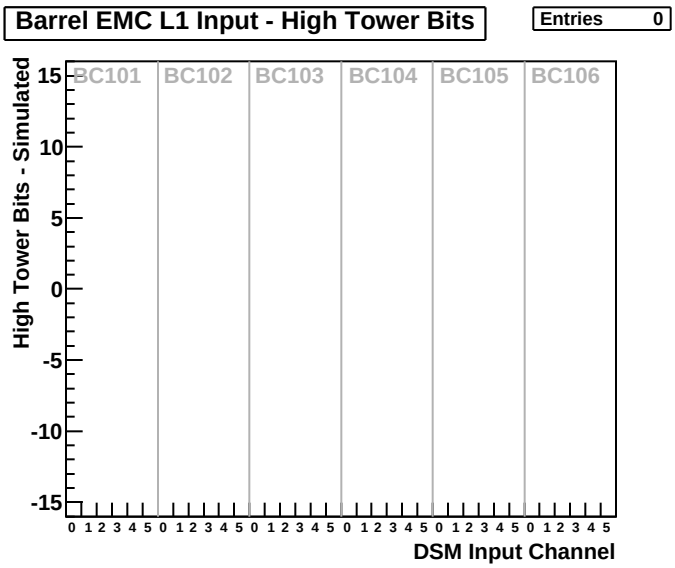

Barrel EMC L1 Input - Low Eta Sum
Entries 1.123798e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

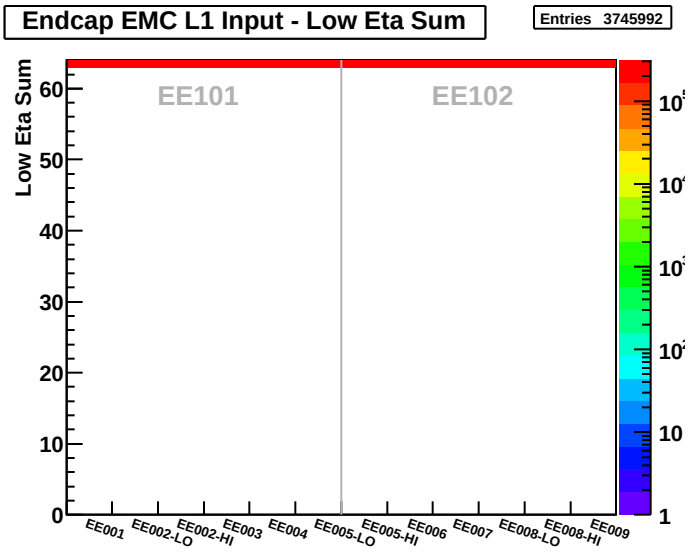

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

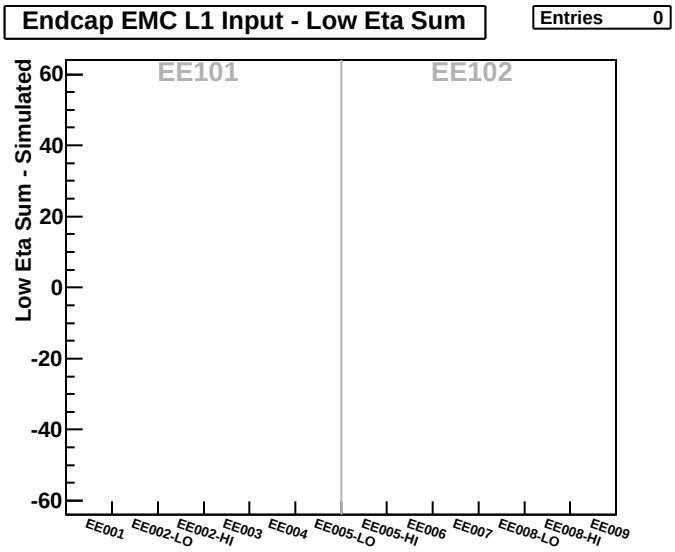

Barrel EMC L1 Input - High Eta Sum
Entries 1.123798e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

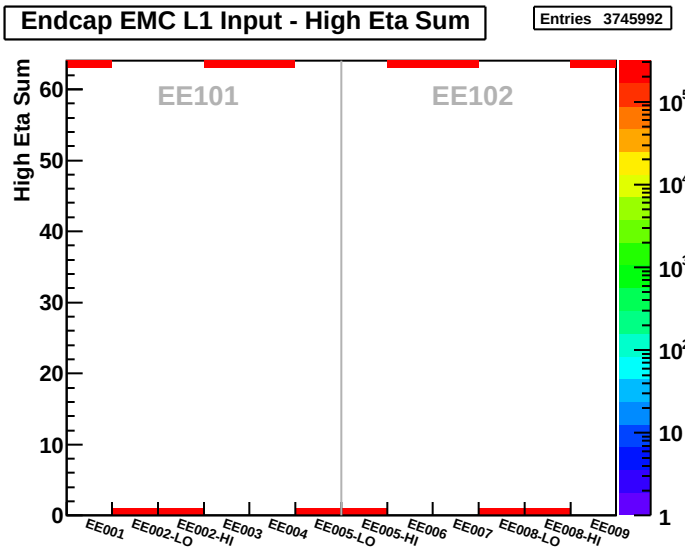

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

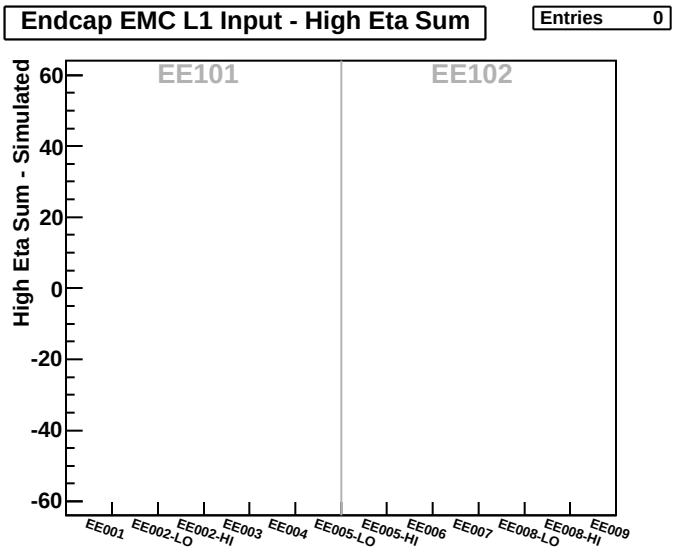

Barrel EMC L1 Input - High Tower Bits
Entries 1.123798e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

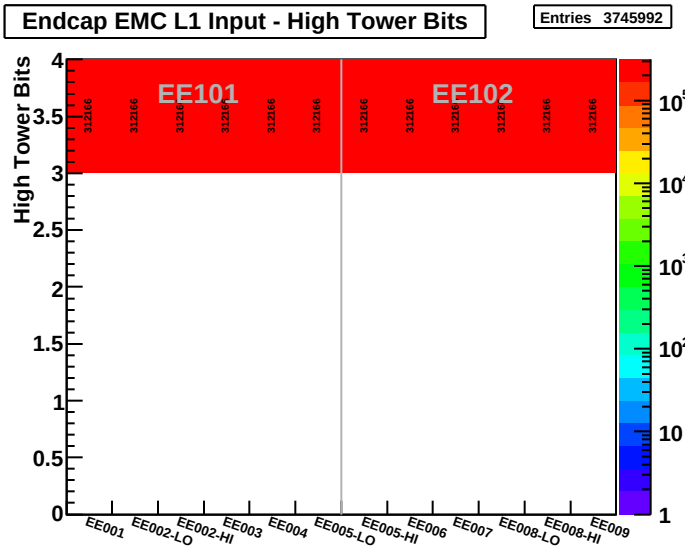

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

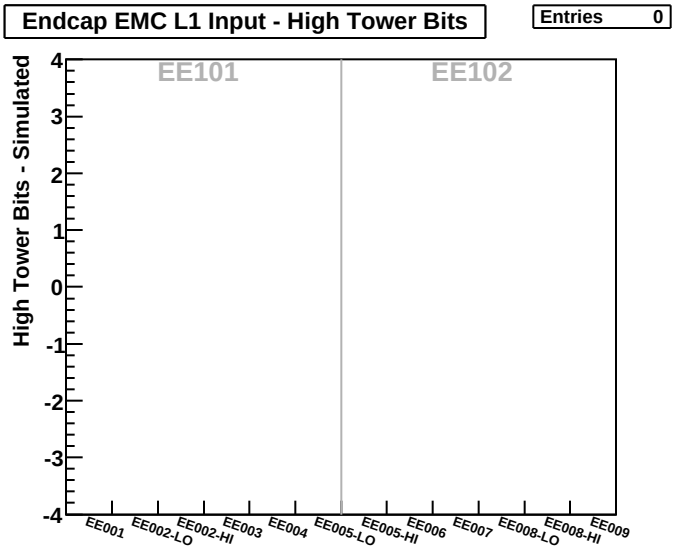

Endcap EMC L1 Input - Low Eta Sum
Entries 3745992
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

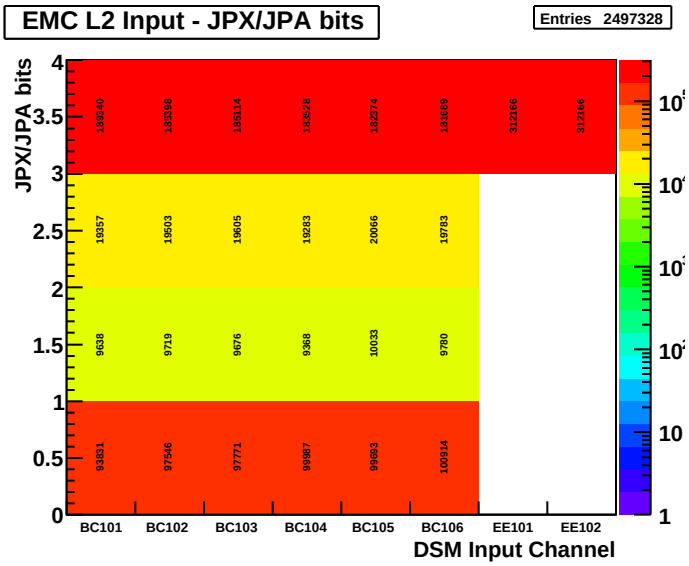

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

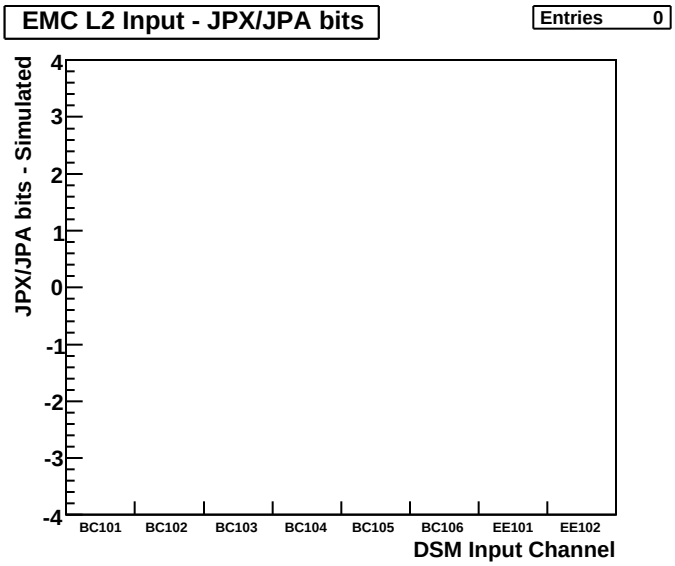

Endcap EMC L1 Input - High Eta Sum
Entries 3745992
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

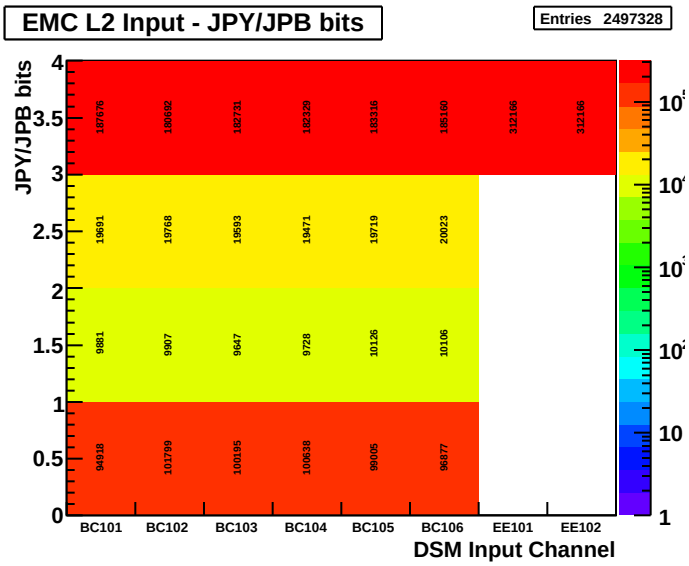

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

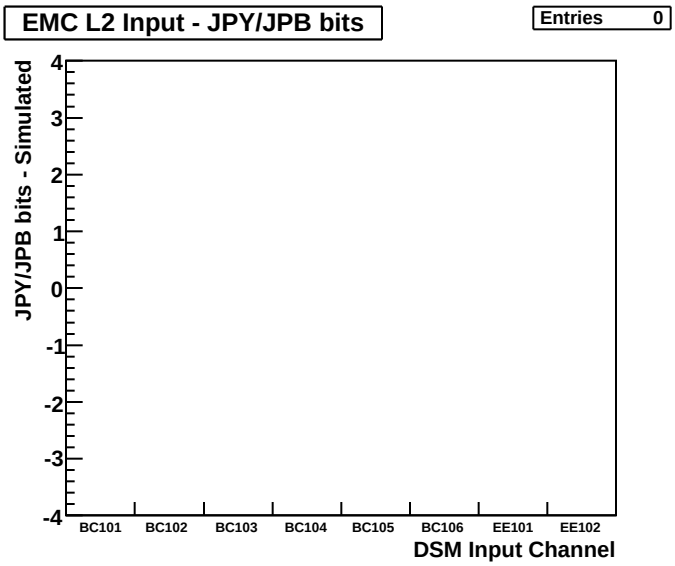

Endcap EMC L1 Input - High Tower Bits
Entries 3745992
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

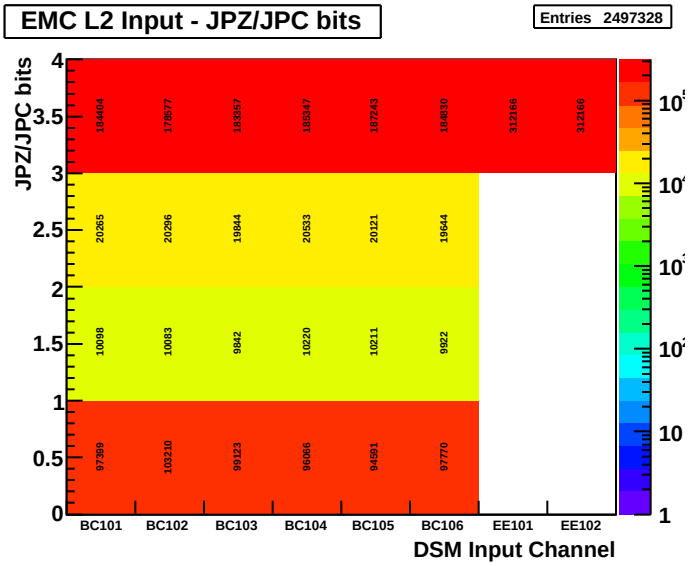

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

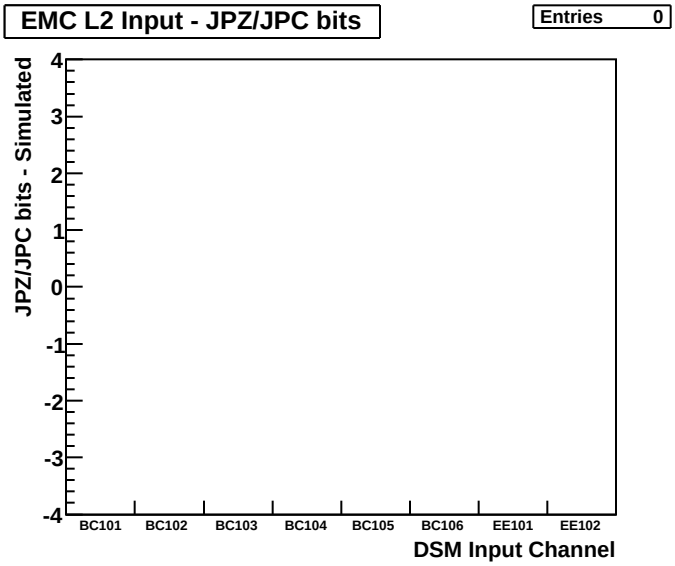

EMC L2 Input - JPX/JPA bits
Entries 2497328
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
189340 185398 185114 183528 182374 181689 312166 312166
19357 19503 19605 19283 20066 19783
9638 9719 9676 9368 10033 9780
93831 97546 97771 99987 99693 100914

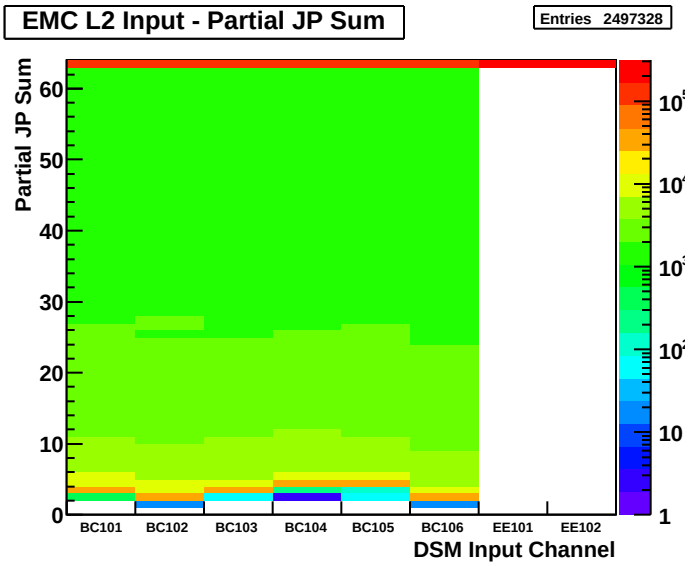

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

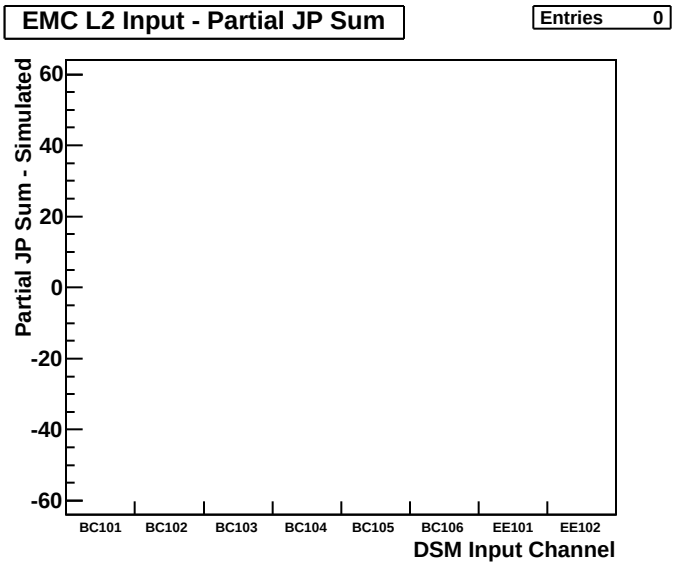

EMC L2 Input - JPY/JPB bits
Entries 2497328
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
187676 180682 182731 182329 183316 185160 312166 312166
19691 19768 19593 19471 19719 20023
9881 9907 9647 9728 10126 10106
94918 101799 100195 100638 99005 96877

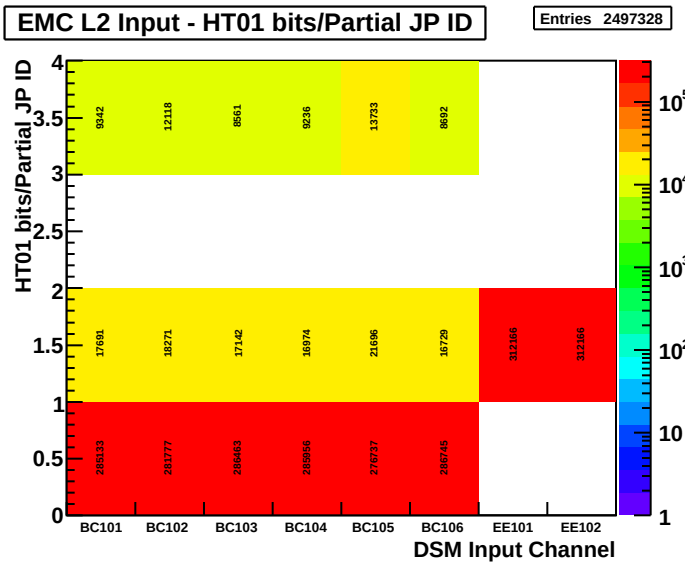

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

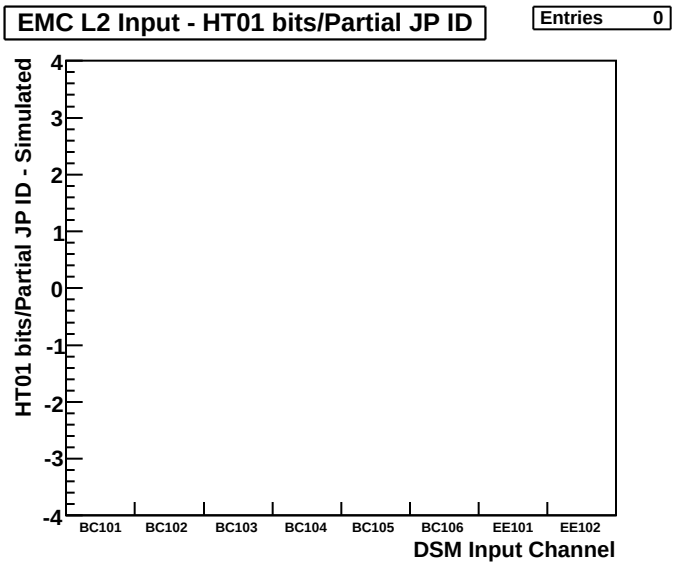

EMC L2 Input - JPZ/JPC bits
Entries 2497328
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
184404 178577 183357 185347 187243 184830 312166 312166
20265 20296 19844 20533 20121 19644
10098 10083 9842 10220 10211 9922
97399 103210 99123 96066 94991 97770

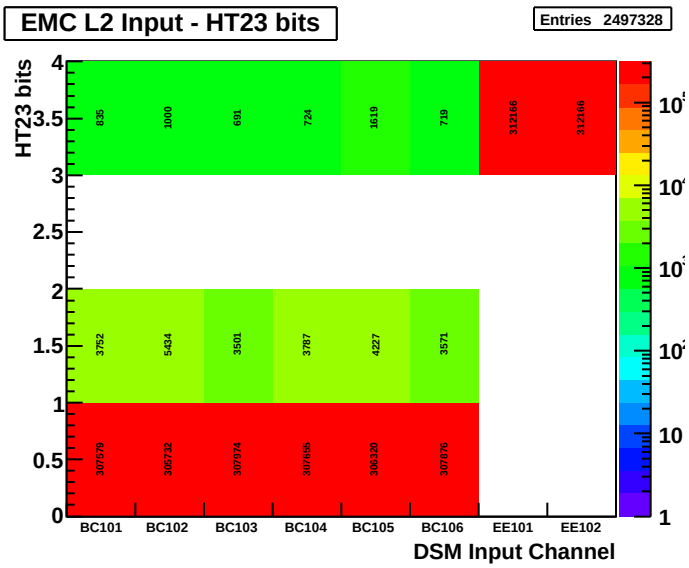

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

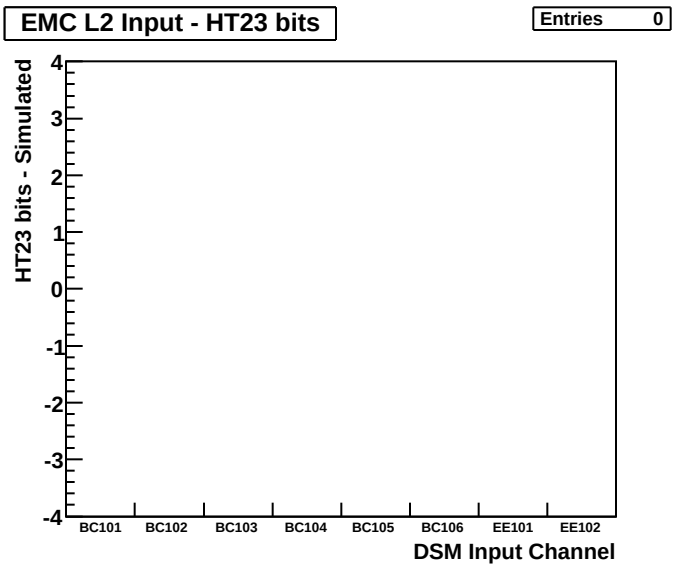

EMC L2 Input - Partial JP Sum
Entries 2497328
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

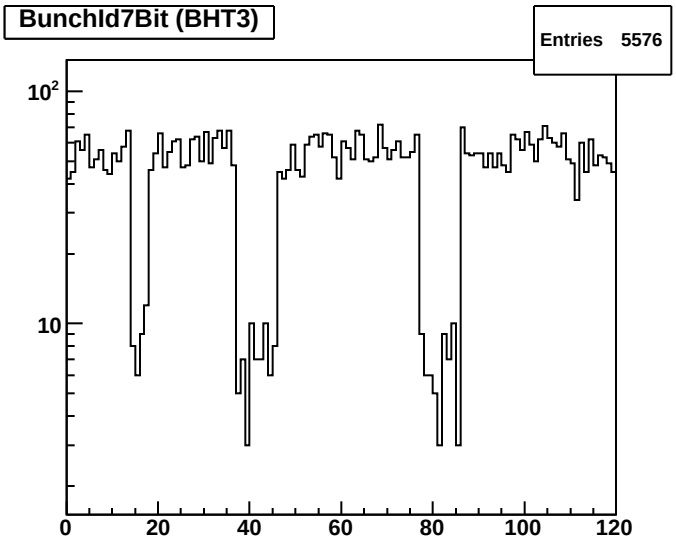

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

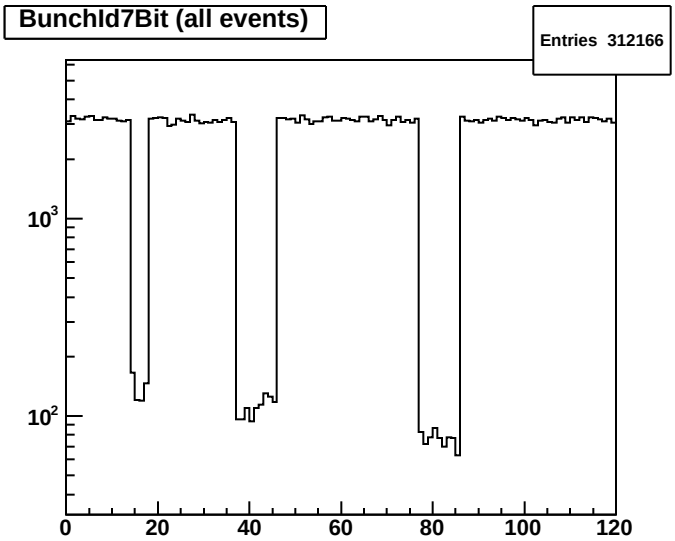

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2497328
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

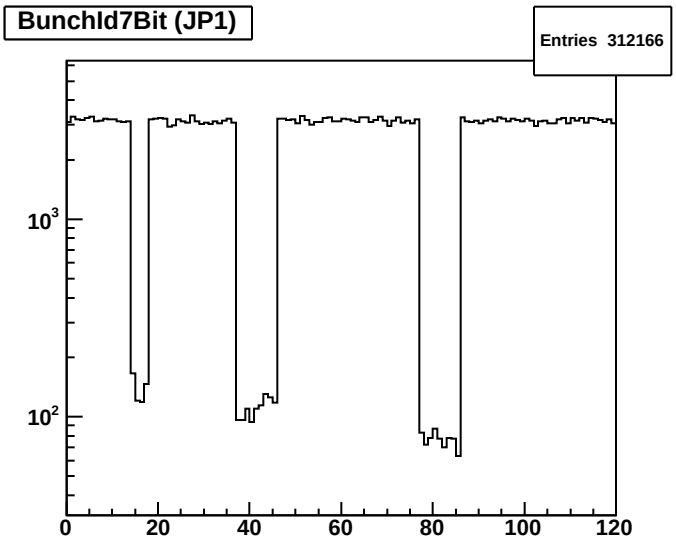

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

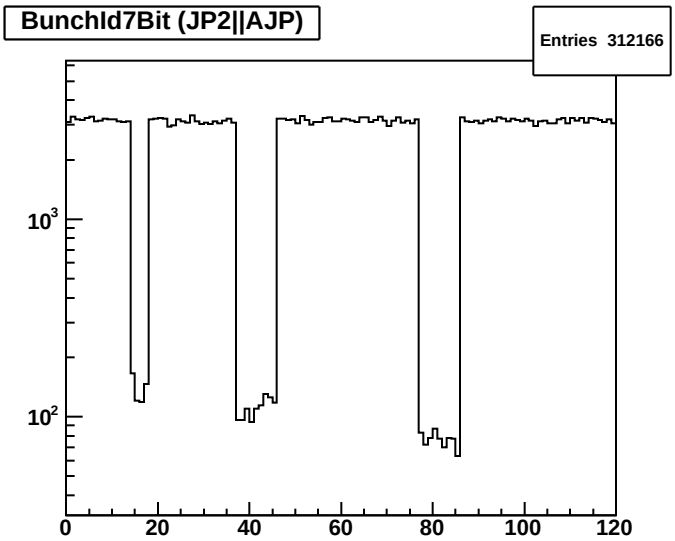

EMC L2 Input - HT23 bits
Entries 2497328
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

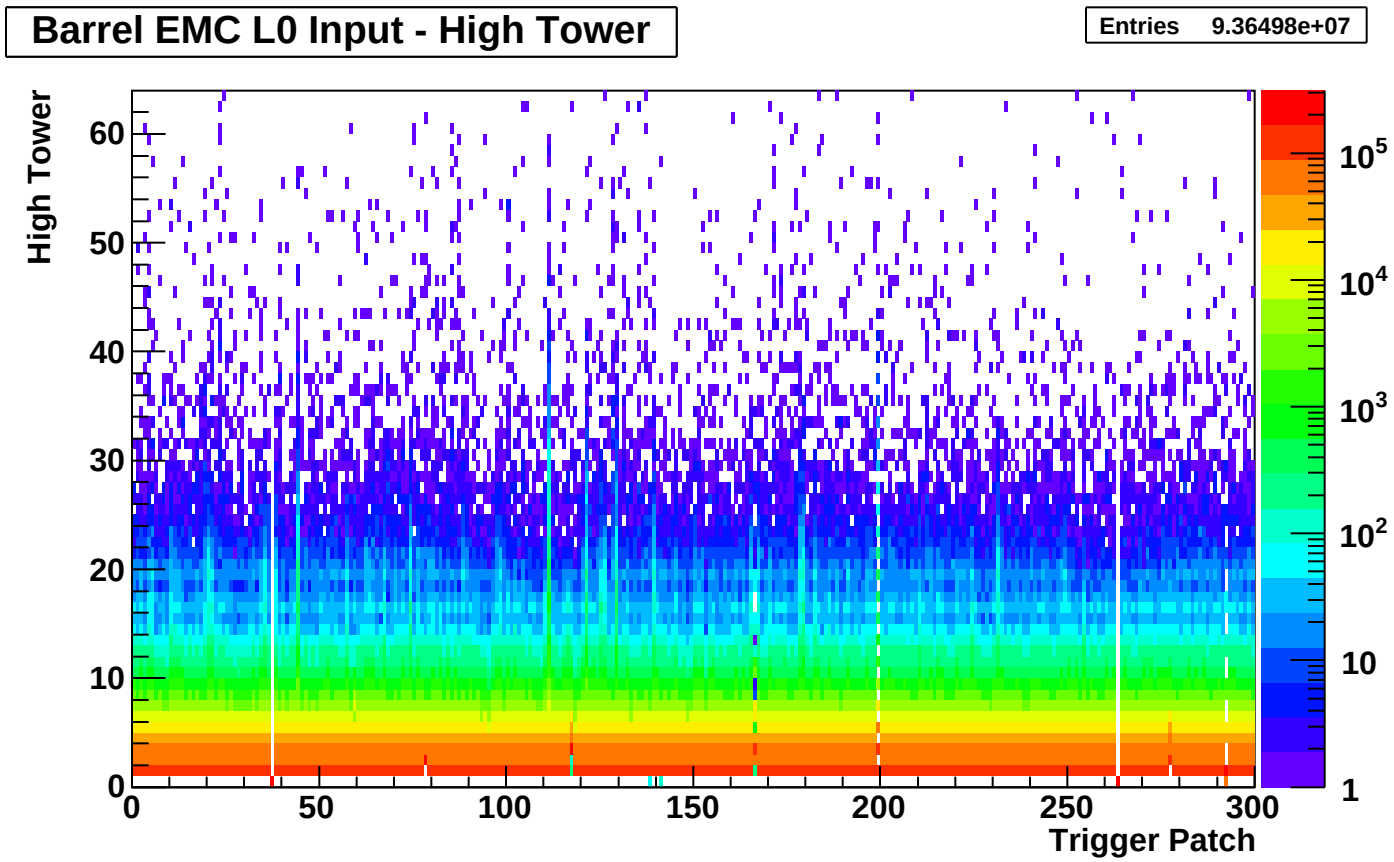

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

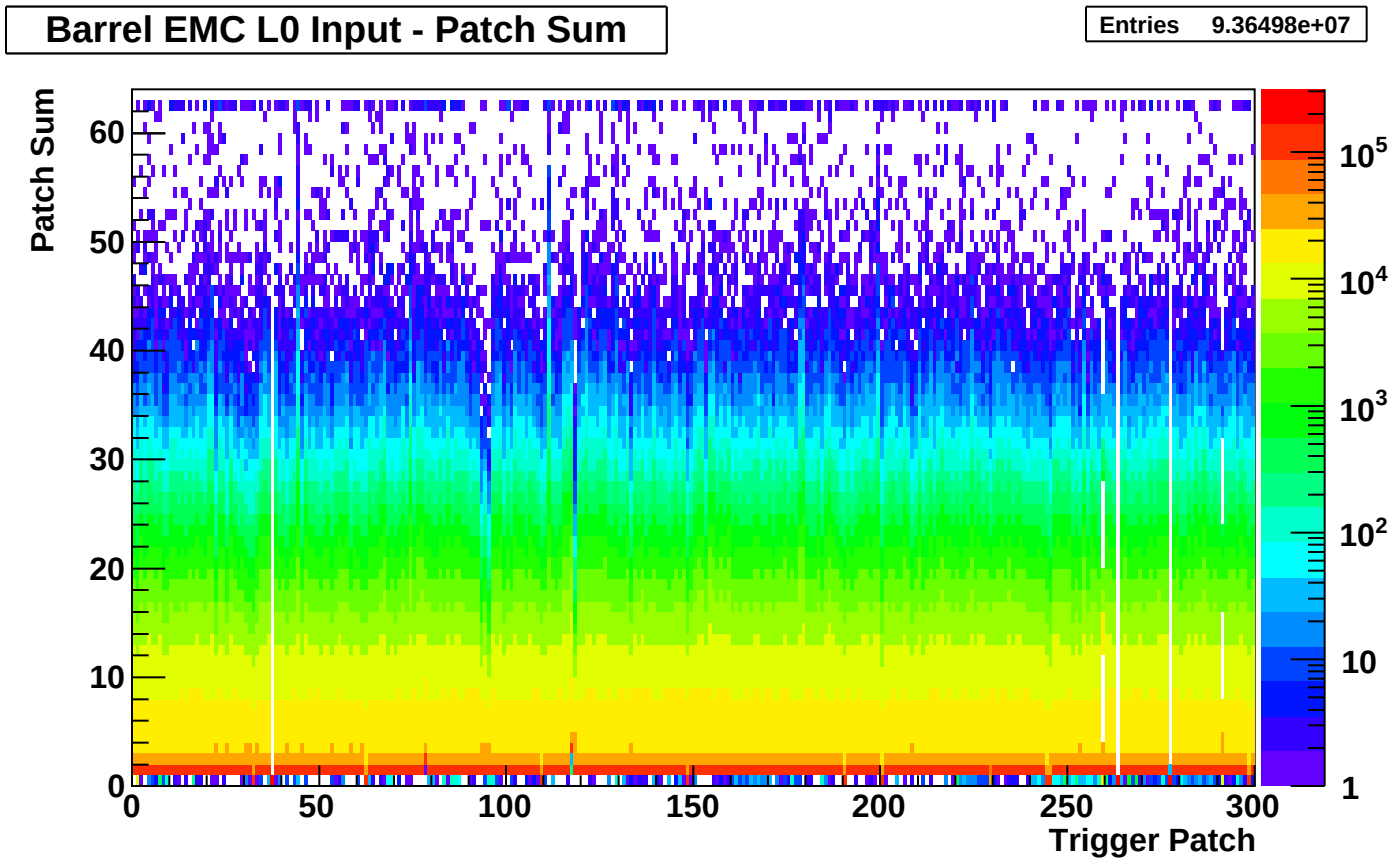

BunchId7Bit (BHT3)
Entries 5576
10^2
10
0
20
40
60
80
100
120

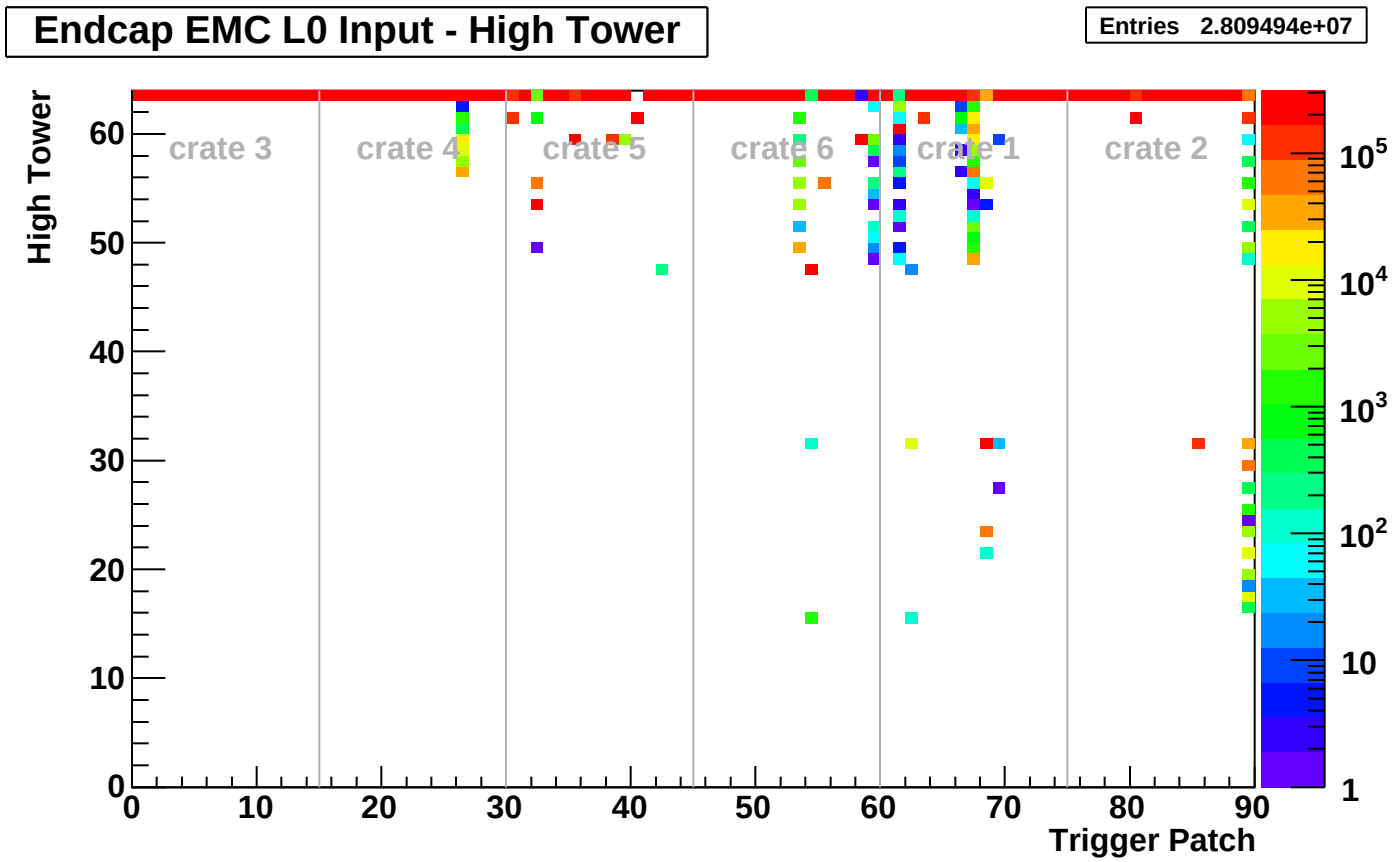

BunchId7Bit (all events)
Entries 312166
10^3
10^2
0
20
40
60
80
100
120

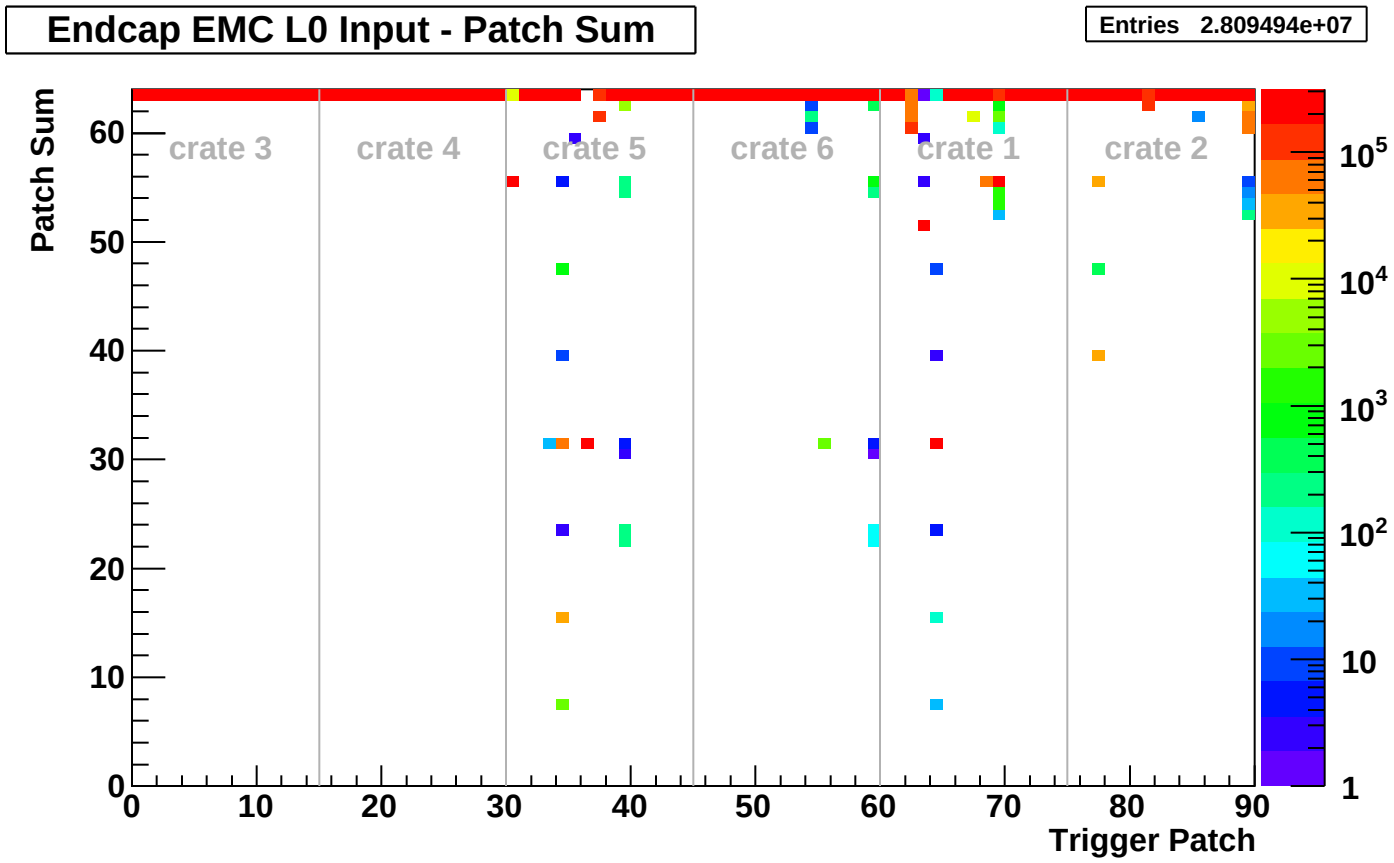

BunchId7Bit (JP1)
Entries 312166
10^3
10^2
0
20
40
60
80
100
120

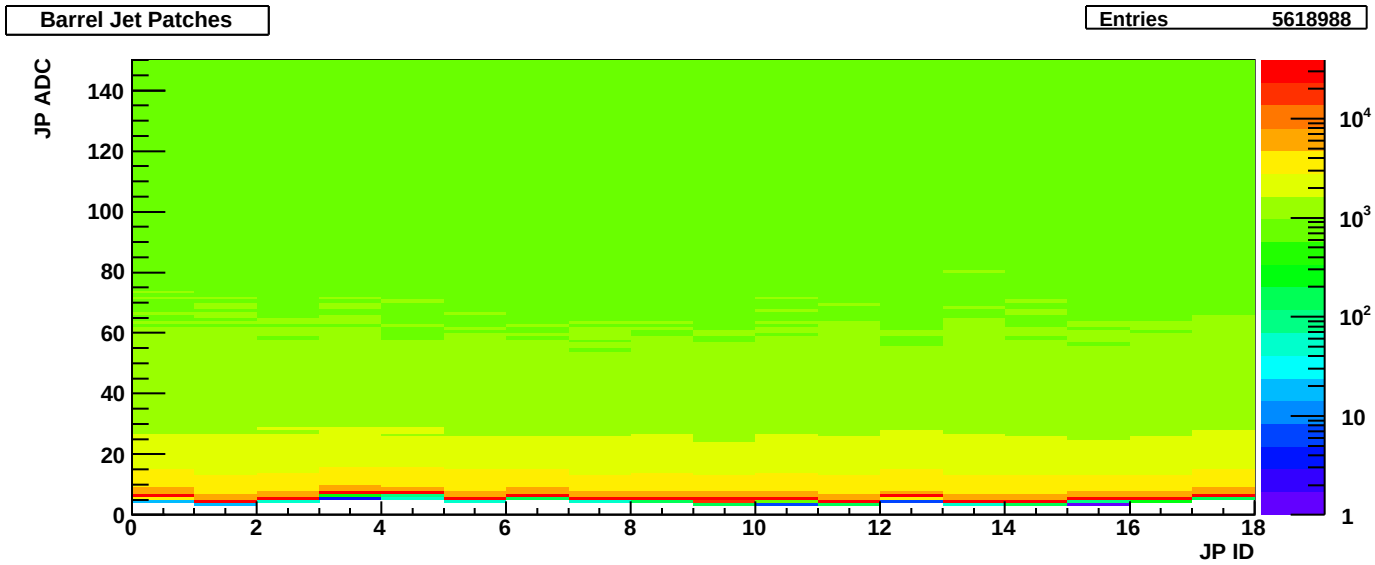

BunchId7Bit (JP2||AJP)
Entries 312166
10^3
10^2
0
20
40
60
80
100
120

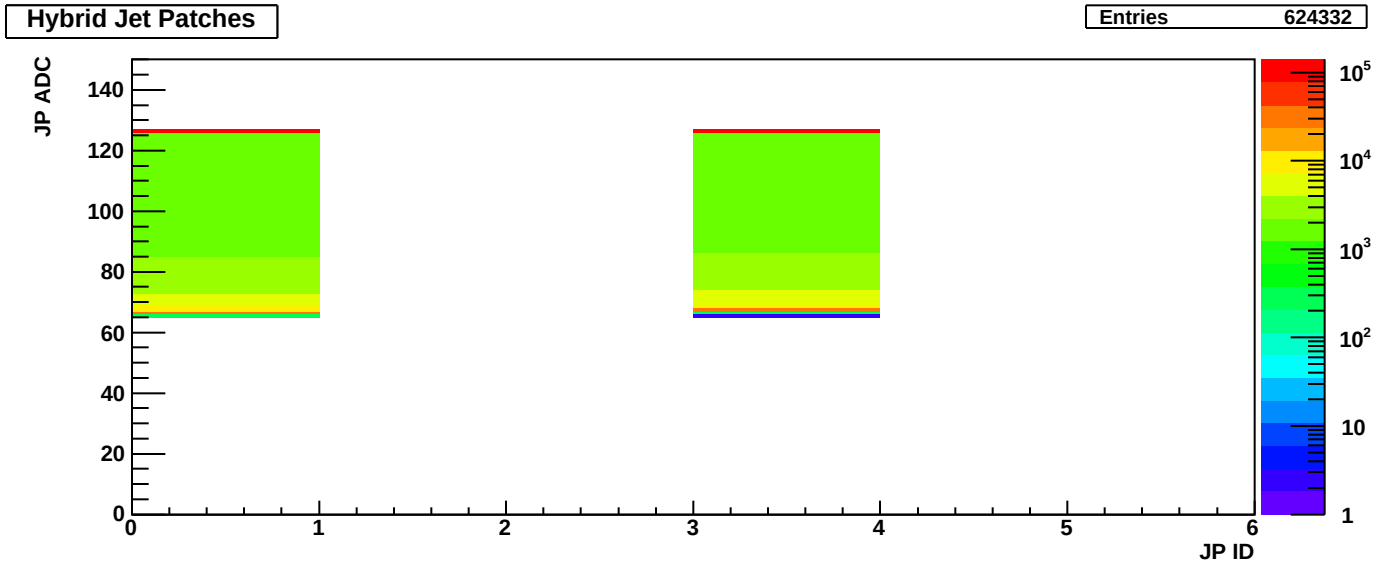

Barrel EMC L0 Input - High Tower
Entries 9.36498e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

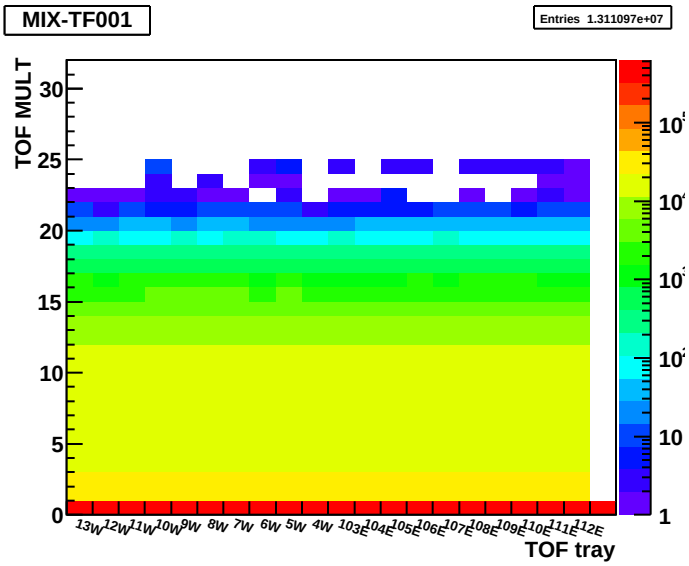

Barrel EMC L0 Input - Patch Sum
Entries 9.36498e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

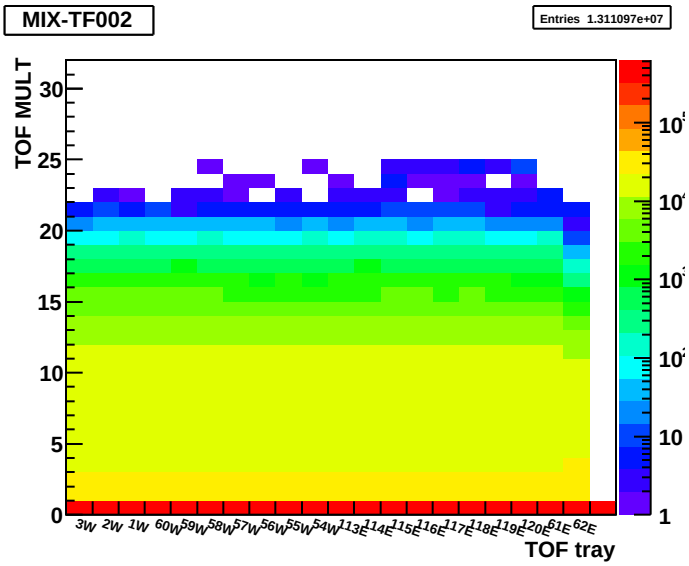

Endcap EMC L0 Input - High Tower
Entries 2.809494e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

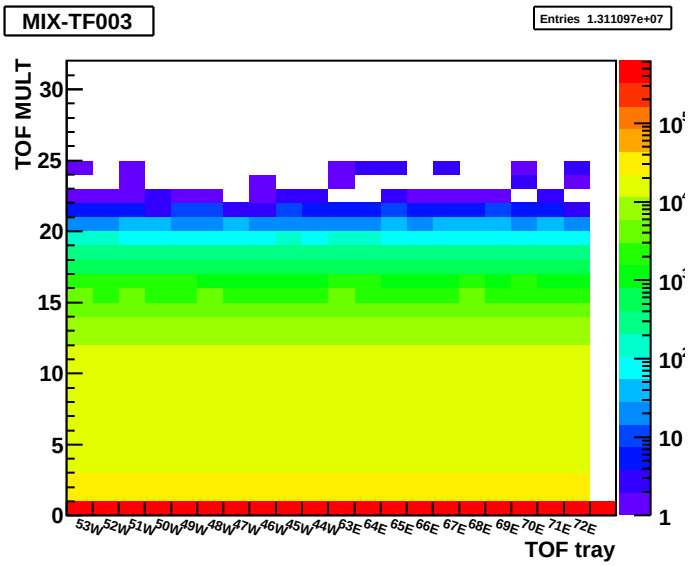

Endcap EMC L0 Input - Patch Sum
Entries 2.809494e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

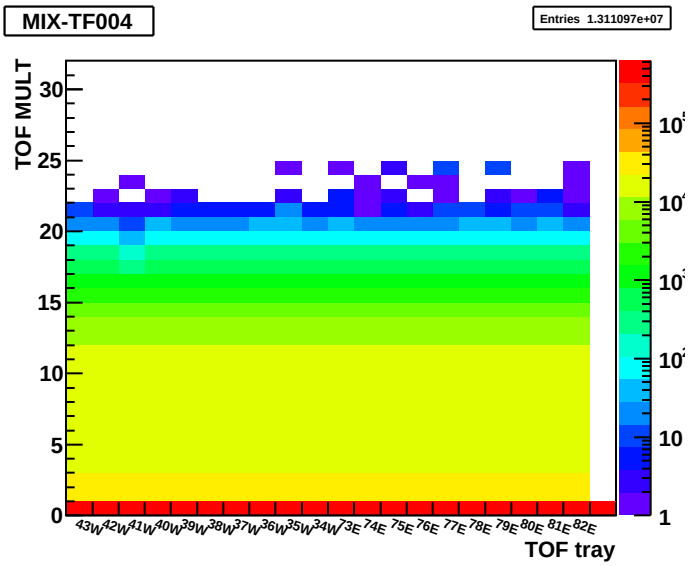

Barrel Jet Patches
Entries 5618988
JP ADC
JP ID

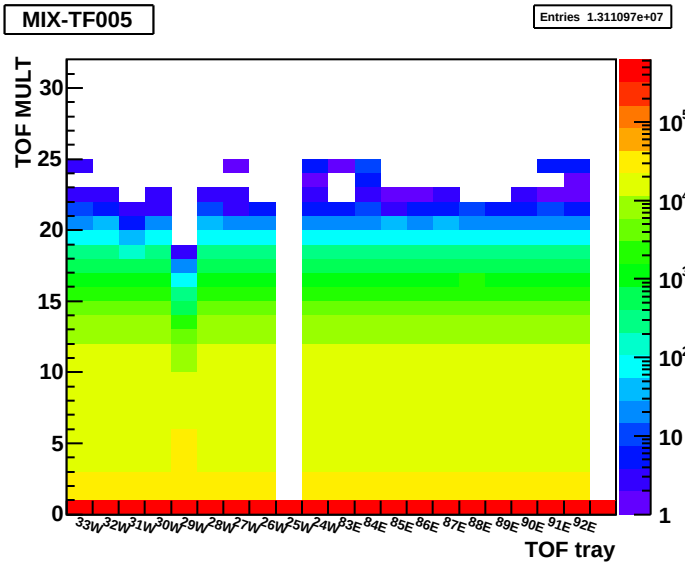

Hybrid Jet Patches
Entries 624332
JP ADC
JP ID

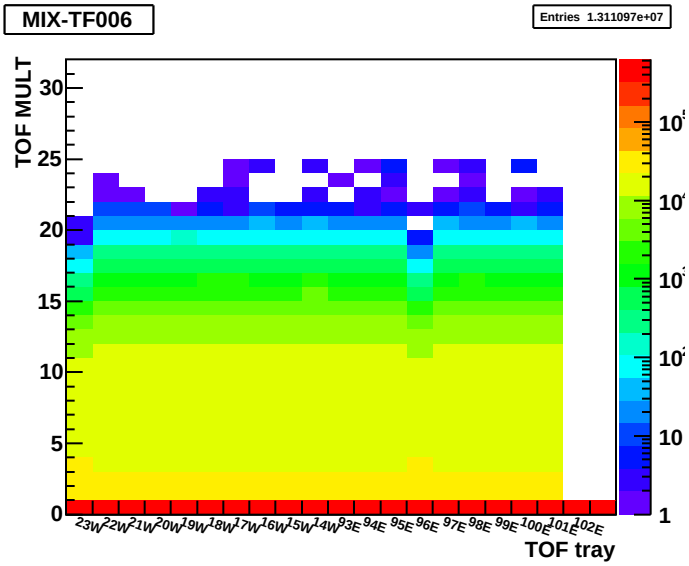

MIX-TF001
Entries 1.311097e+07
TOF MULT
TOF tray

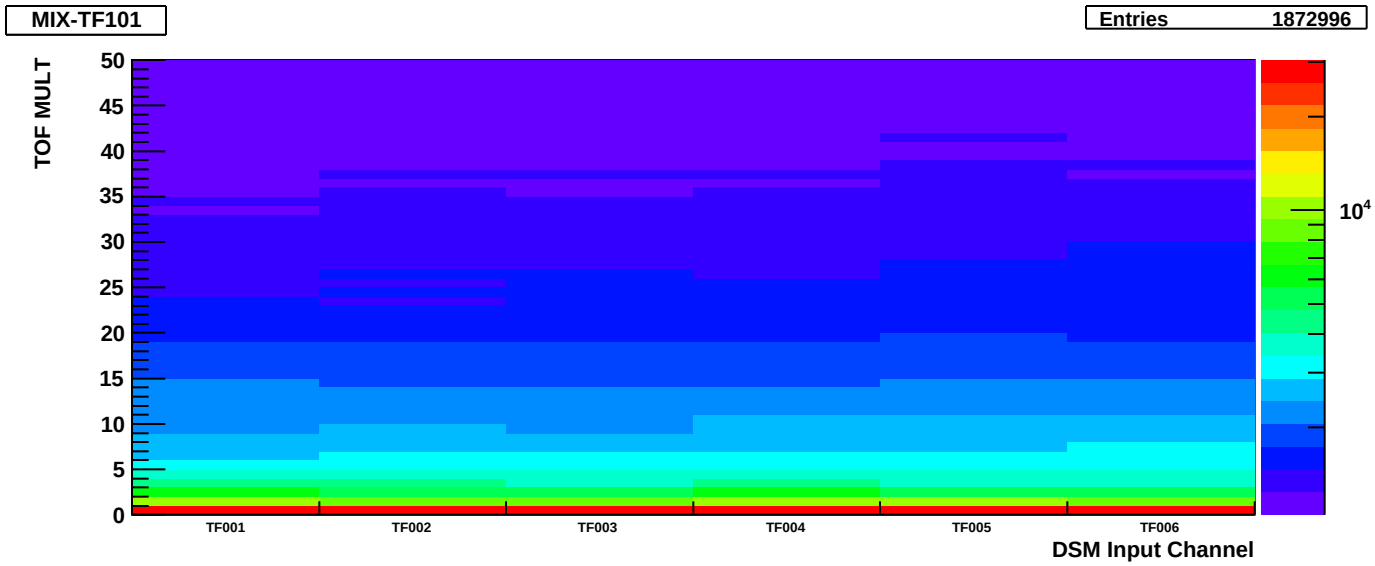

MIX-TF002
Entries 1.311097e+07
TOF MULT
TOF tray

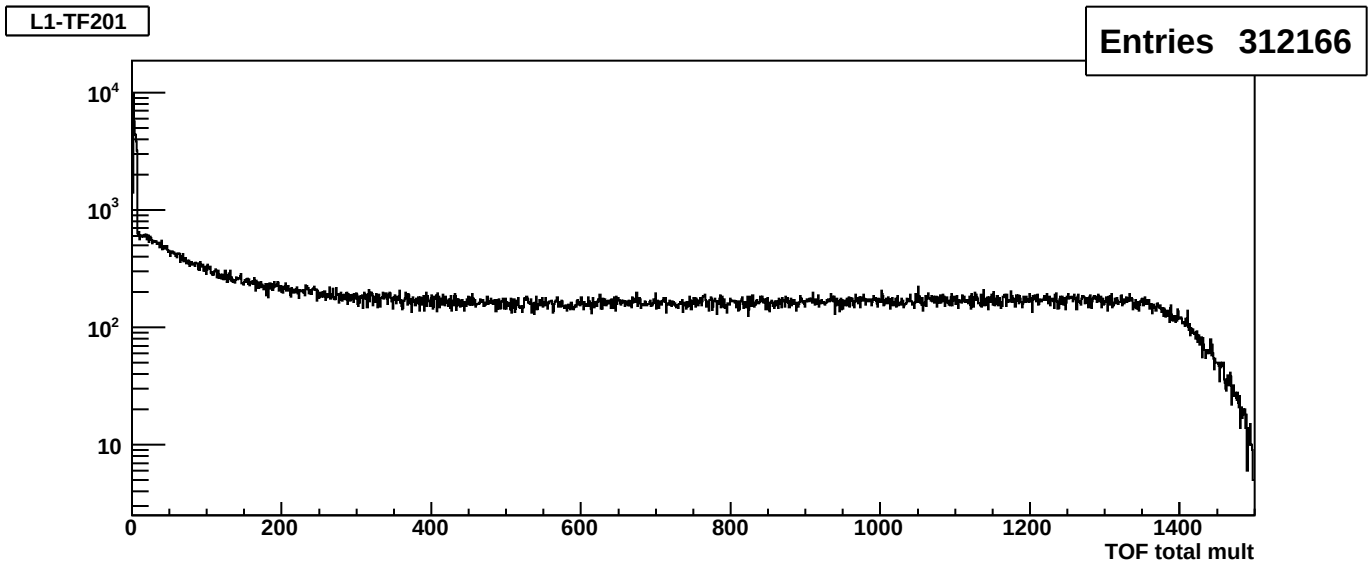

MIX-TF003
Entries 1.311097e+07
TOF MULT
TOF tray

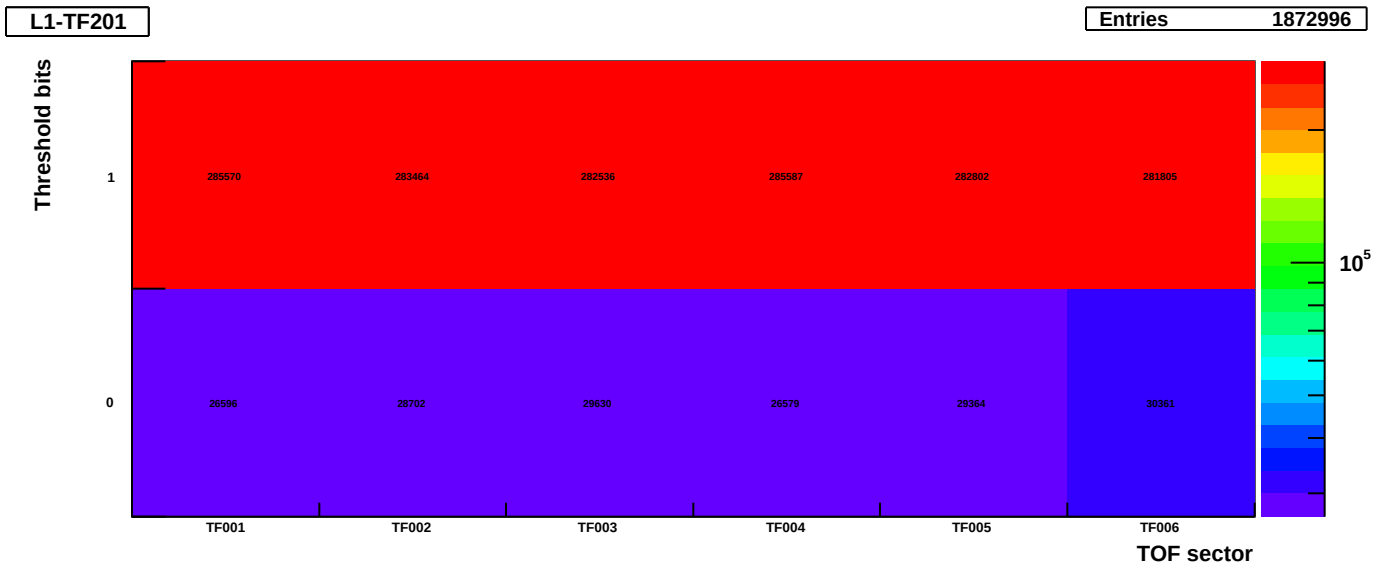

MIX-TF004
Entries 1.311097e+07
TOF MULT
TOF tray

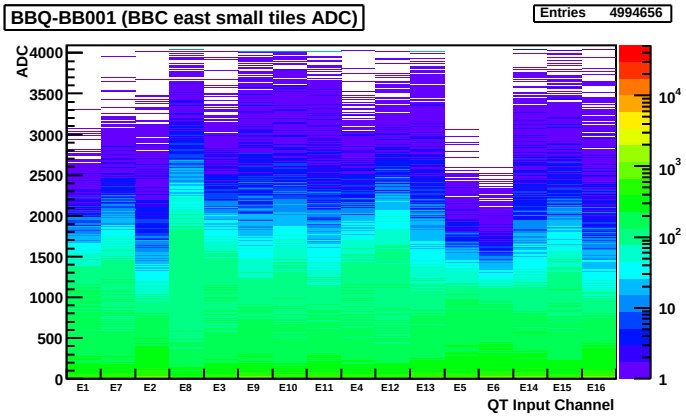

MIX-TF005
Entries 1.311097e+07
TOF MULT
TOF tray

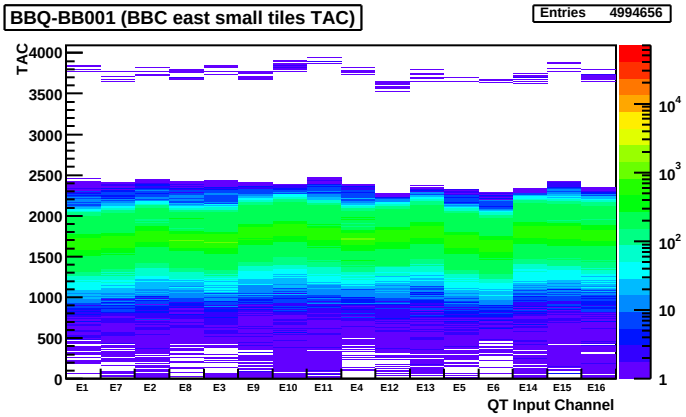

MIX-TF006
Entries 1.311097e+07
TOF MULT
TOF tray

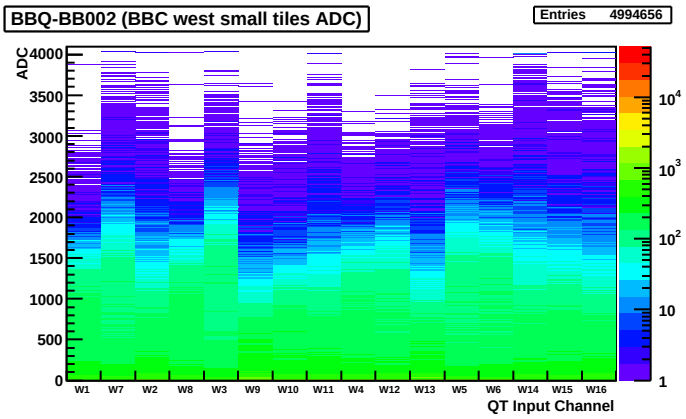

MIX-TF101
Entries 1872996
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

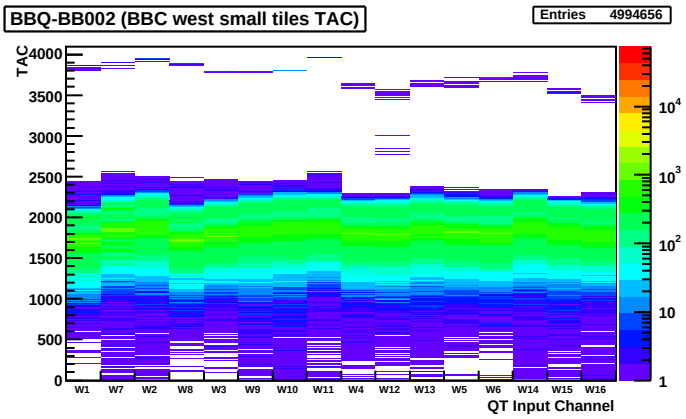

L1-TF201
Entries 312166
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

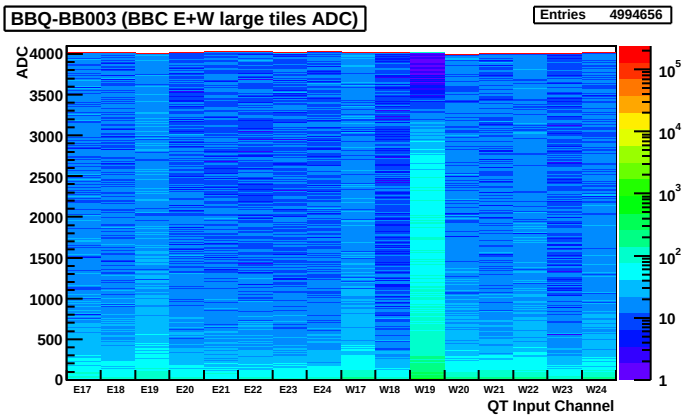

L1-TF201
Entries 1872996
Threshold bits
1
0
285570
283464
282536
285587
282802
281805
26596
28702
29630
26579
29364
30361
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

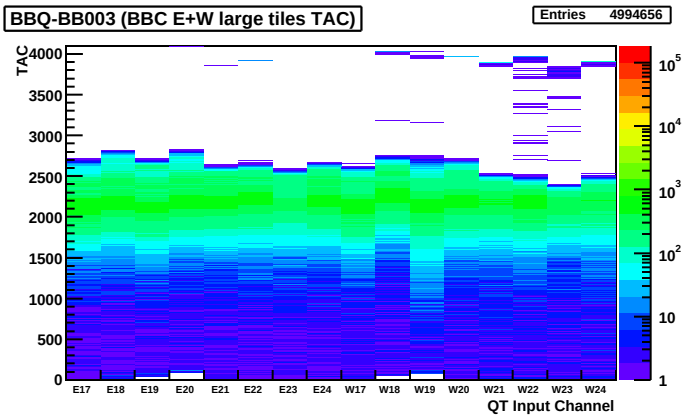

BBQ-BB001 (BBC east small tiles ADC)
Entries 4994656
ADC
QT Input Channel

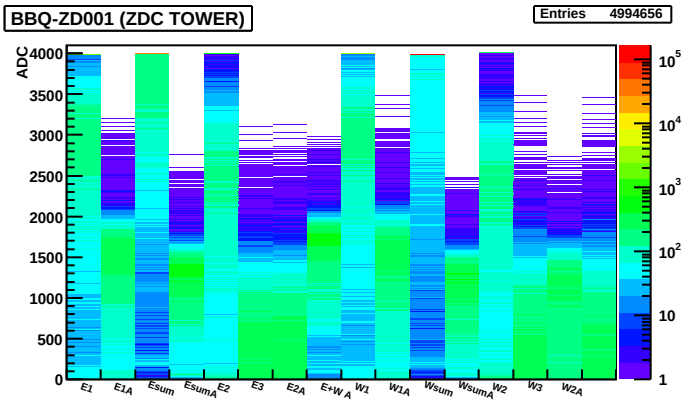

BBQ-BB001 (BBC east small tiles TAC)
Entries 4994656
TAC
QT Input Channel

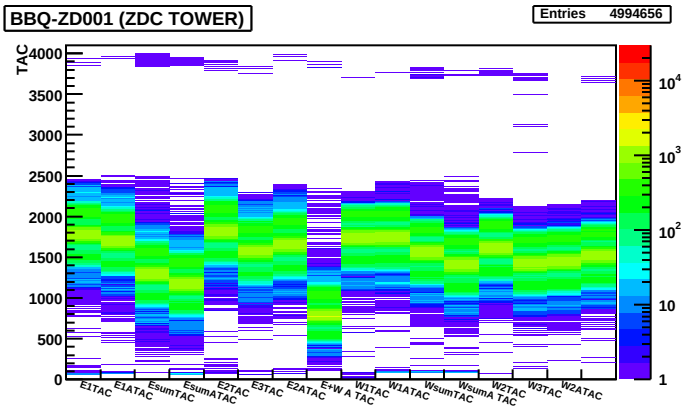

BBQ-BB002 (BBC west small tiles ADC)
Entries 4994656
ADC
QT Input Channel

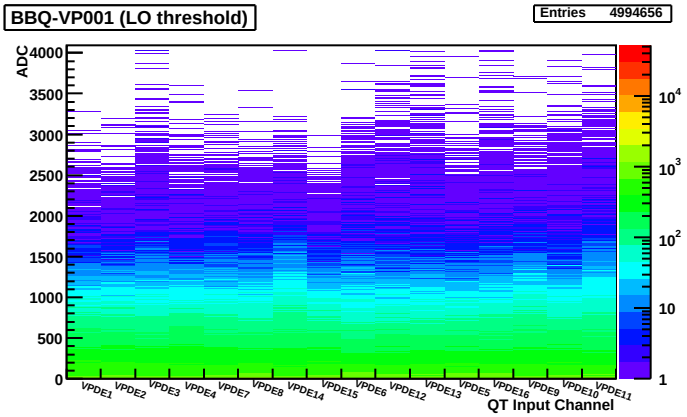

BBQ-BB002 (BBC west small tiles TAC)
Entries 4994656
TAC
QT Input Channel

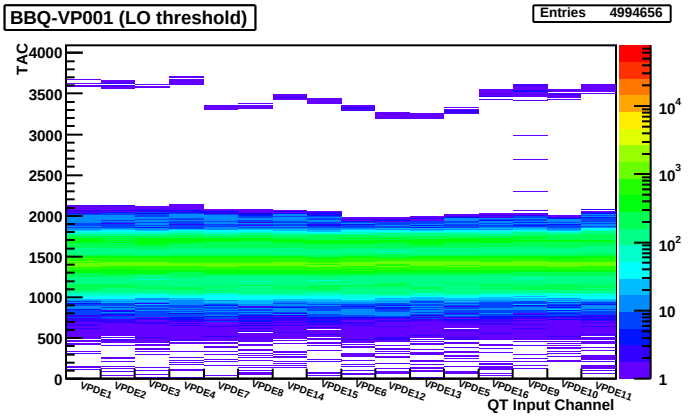

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4994656
ADC
QT Input Channel

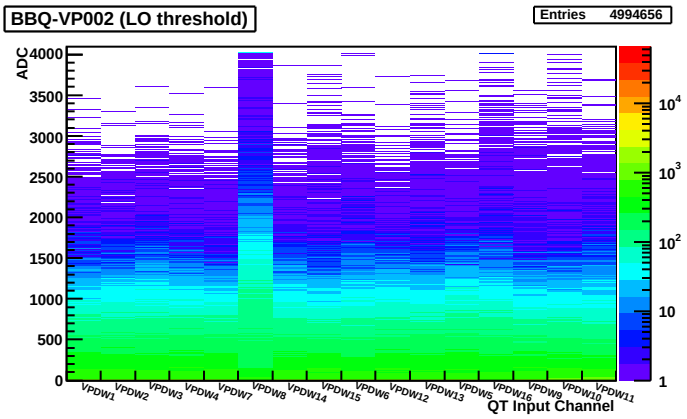

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4994656
TAC
QT Input Channel

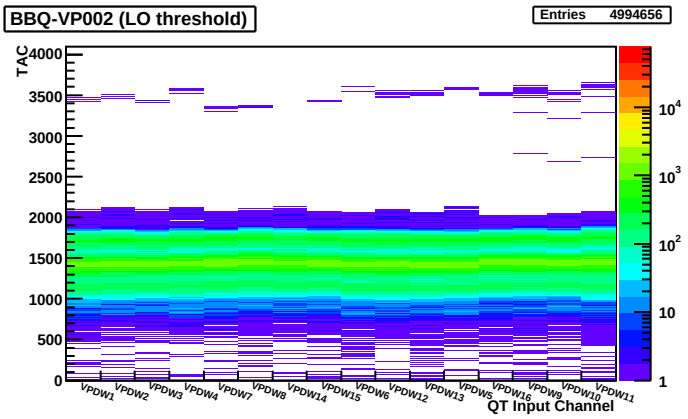

BBQ-ZD001 (ZDC TOWER)
Entries 4994656
ADC

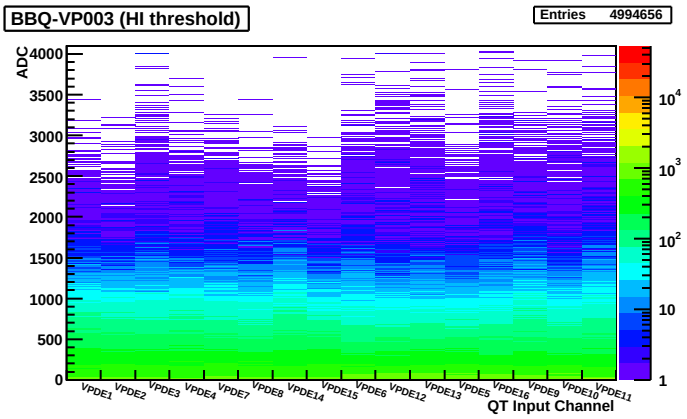

BBQ-ZD001 (ZDC TOWER)
Entries 4994656
TAC

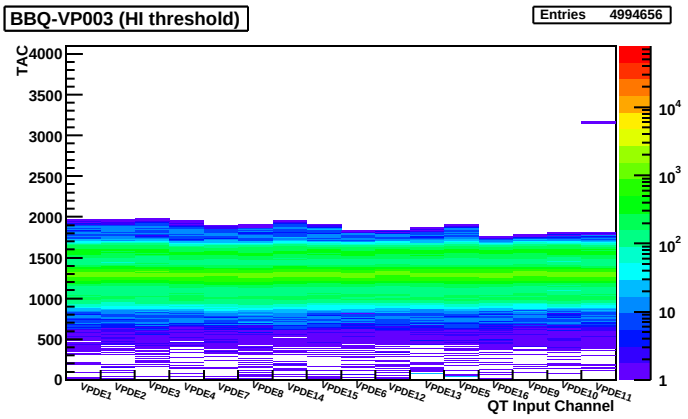

BBQ-VP001 (LO threshold)
Entries 4994656
ADC
QT Input Channel

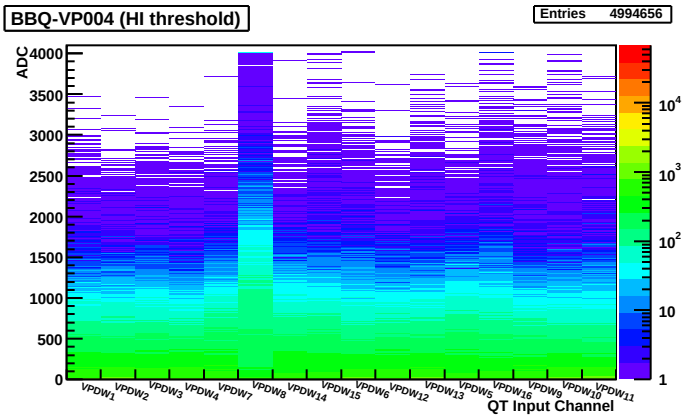

BBQ-VP001 (LO threshold)
Entries 4994656
TAC
QT Input Channel

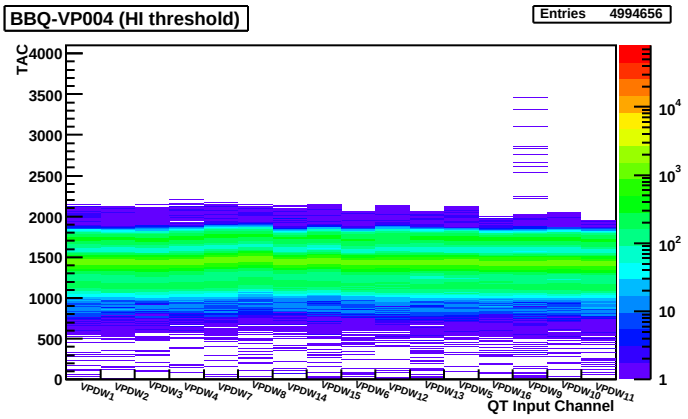

BBQ-VP002 (LO threshold)
Entries 4994656
ADC
QT Input Channel

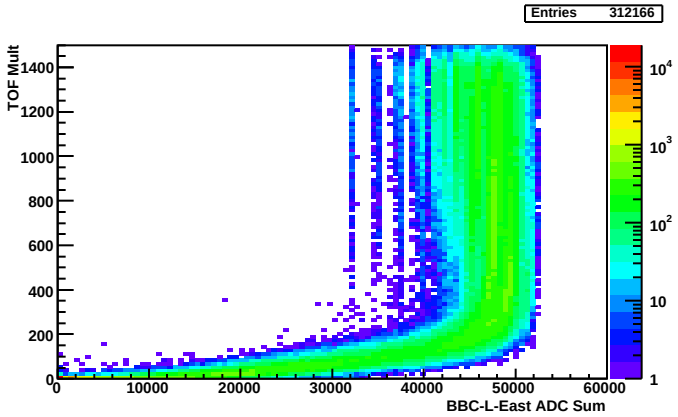

BBQ-VP002 (LO threshold)
Entries 4994656
TAC
QT Input Channel

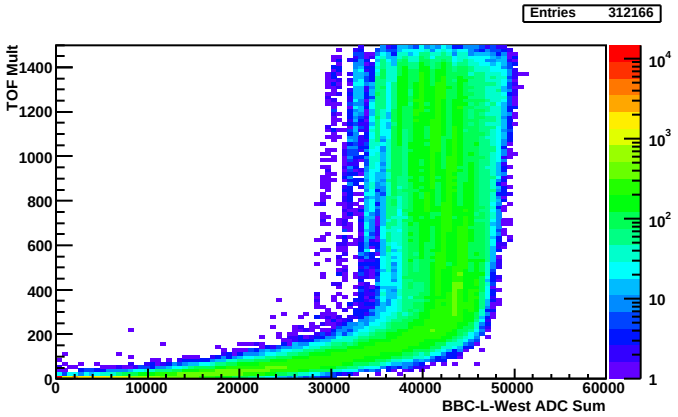

BBQ-VP003 (HI threshold)
Entries 4994656
ADC
QT Input Channel

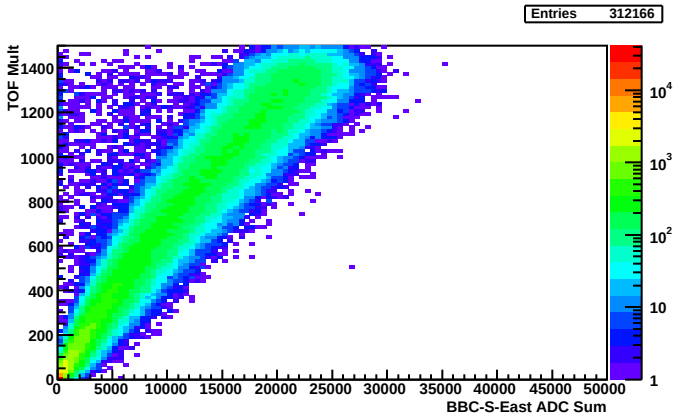

BBQ-VP003 (HI threshold)
Entries 4994656
TAC
QT Input Channel

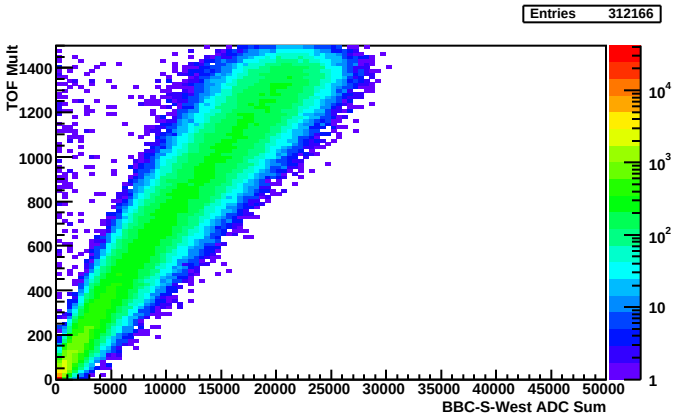

BBQ-VP004 (HI threshold)
Entries 4994656
ADC
QT Input Channel

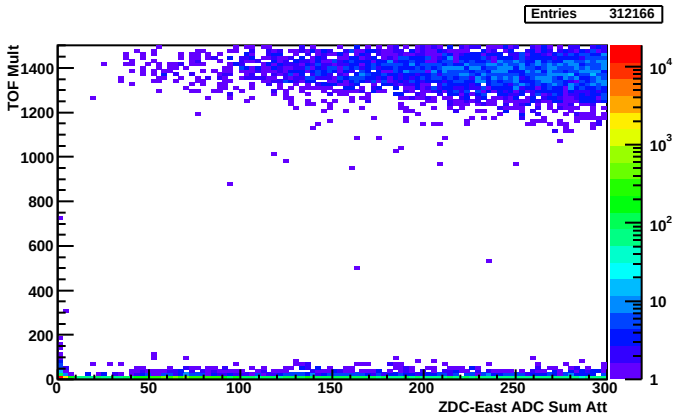

BBQ-VP004 (HI threshold)
Entries 4994656
TAC
QT Input Channel

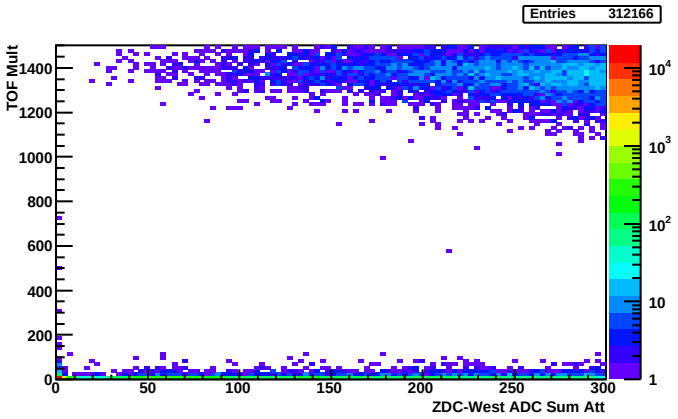

Entries 312166
TOF Mult
BBC-L-East ADC Sum

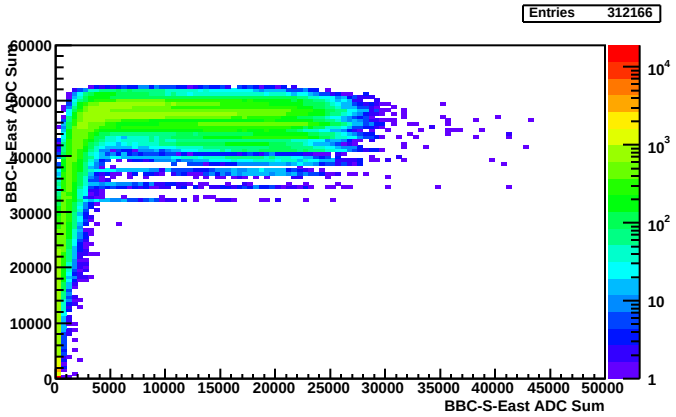

Entries 312166
TOF Mult
BBC-L-West ADC Sum

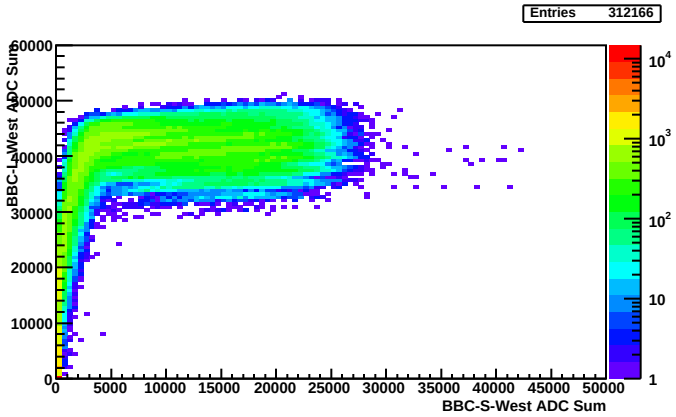

Entries 312166
TOF Mult
BBC-S-East ADC Sum

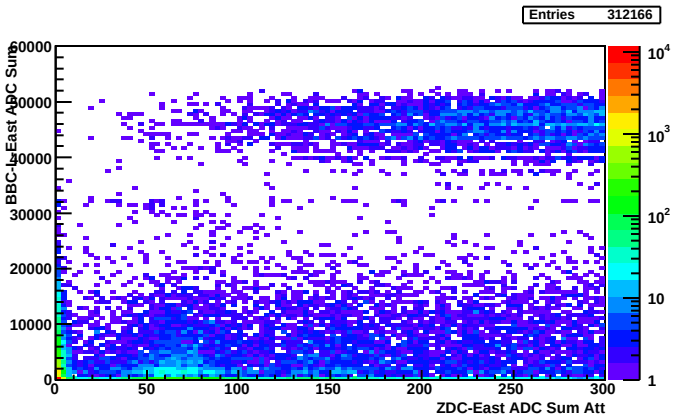

Entries 312166
TOF Mult
BBC-S-West ADC Sum

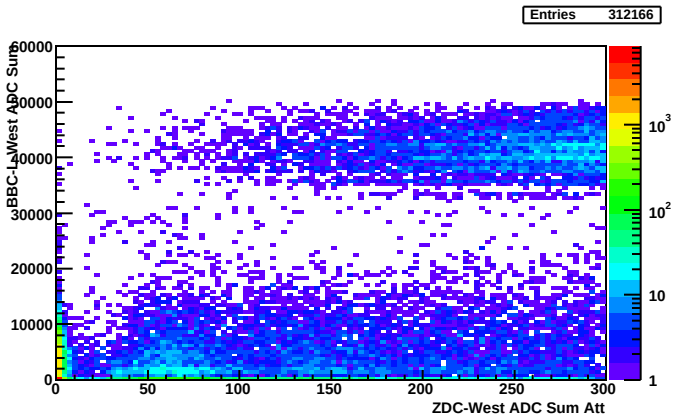

Entries 312166
TOF Mult
ZDC-East ADC Sum Att

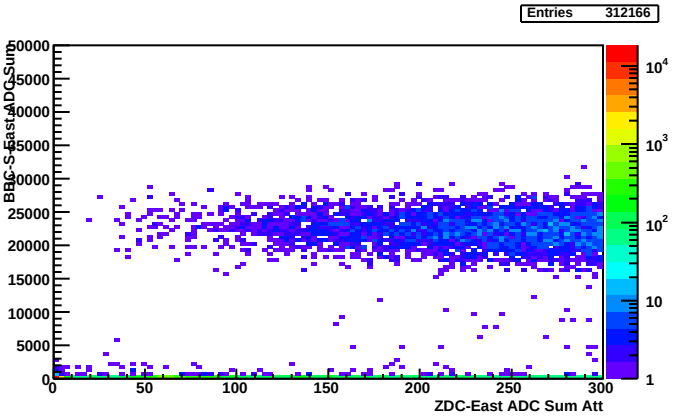

Entries 312166
TOF Mult
ZDC-West ADC Sum Att


Entries 312166
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 312166
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 312166
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 312166
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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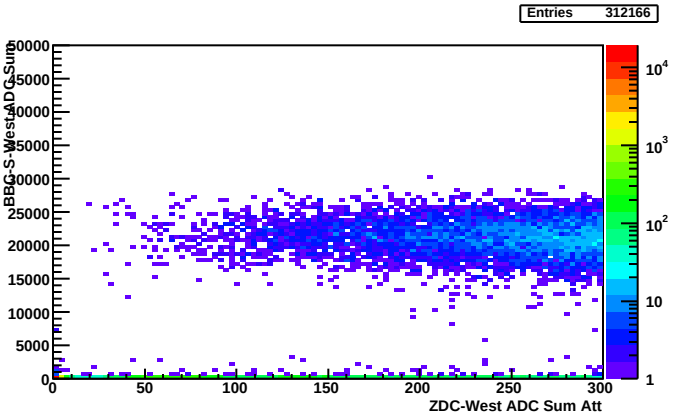
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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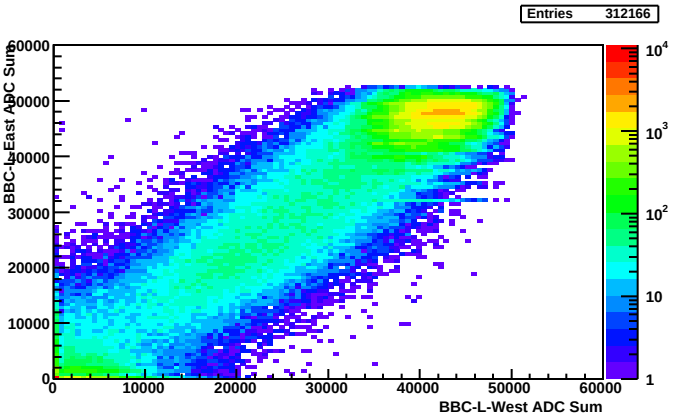
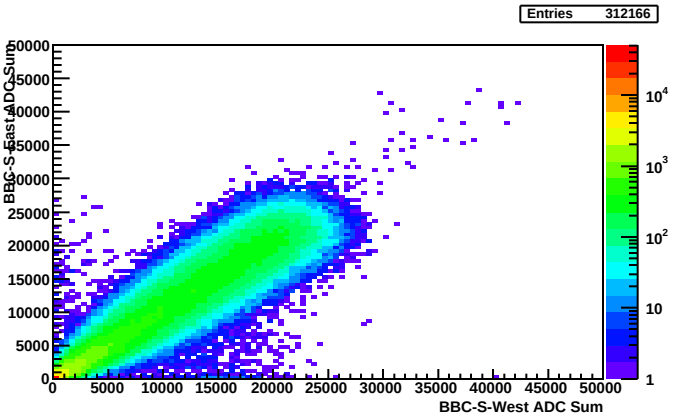
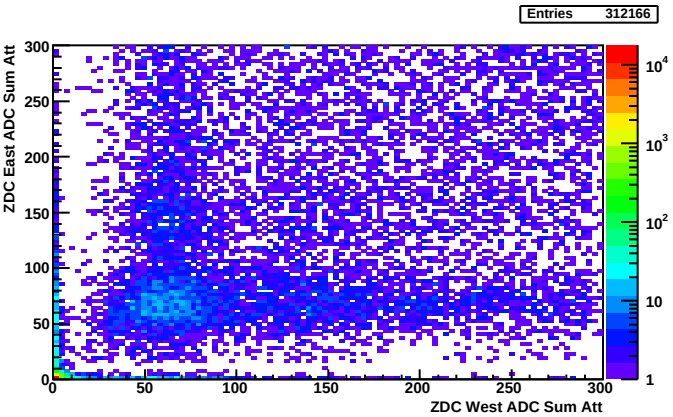
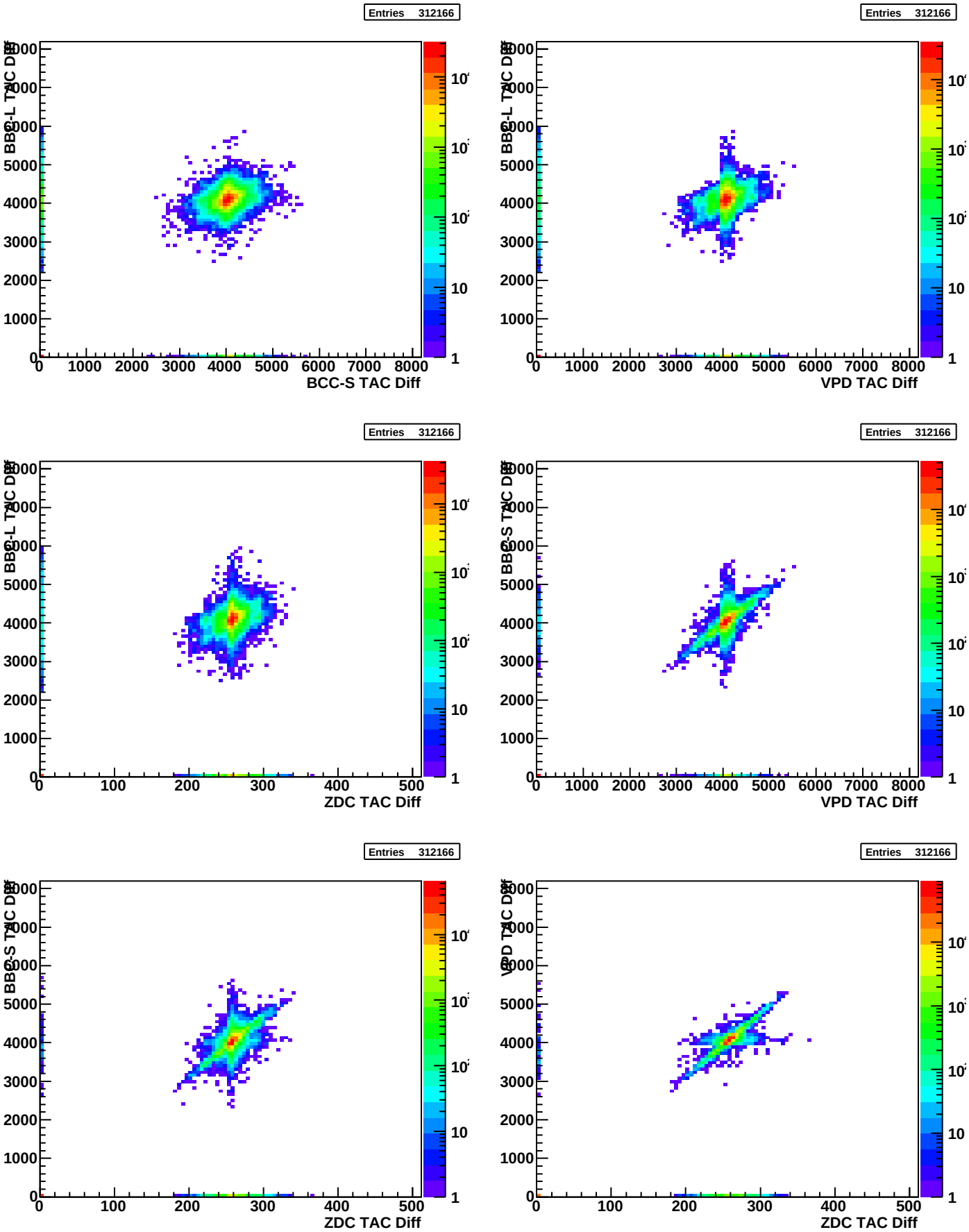
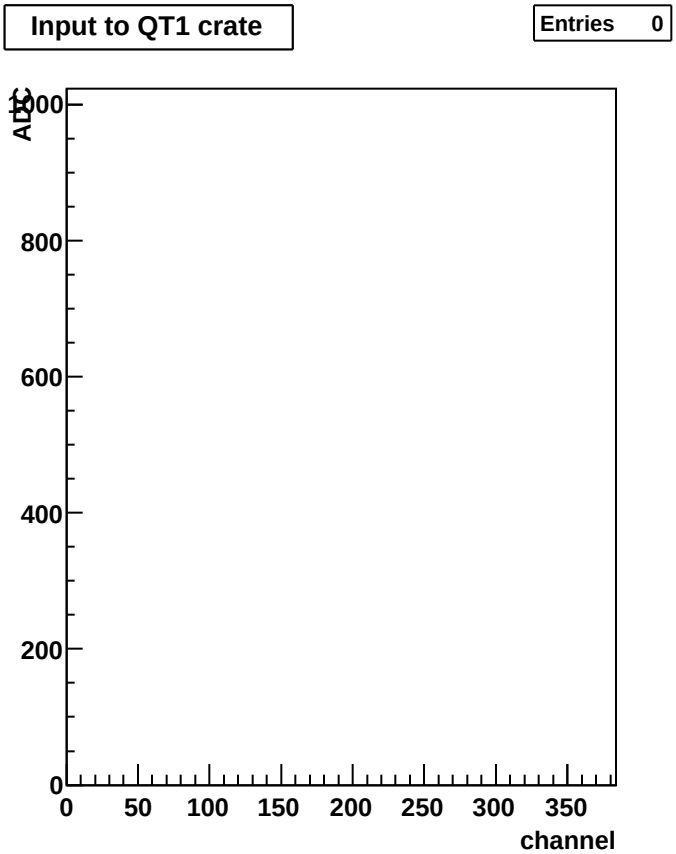
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

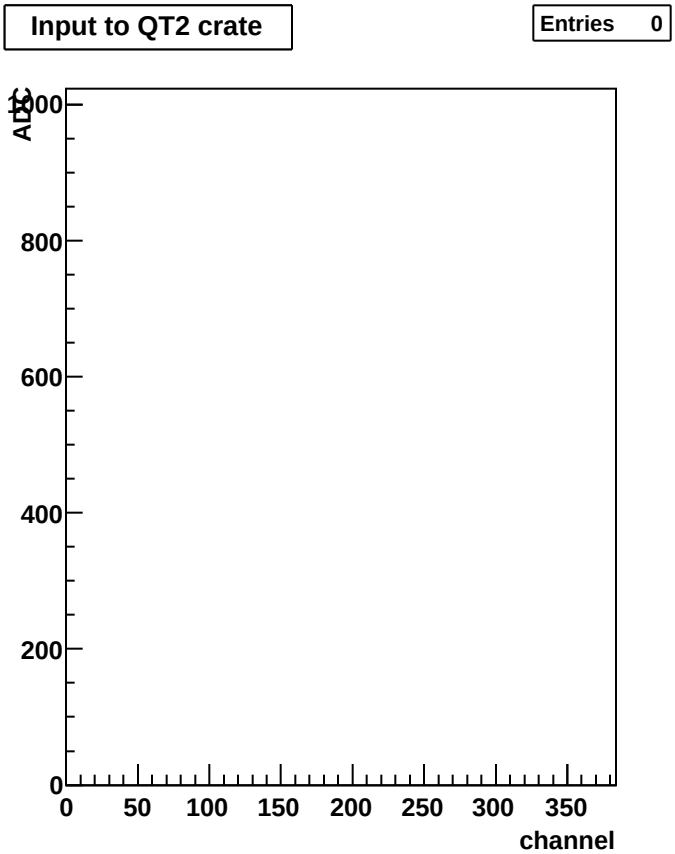

Entries 312166
BBC-L-East ADC Sum
BBC-L-West ADC Sum

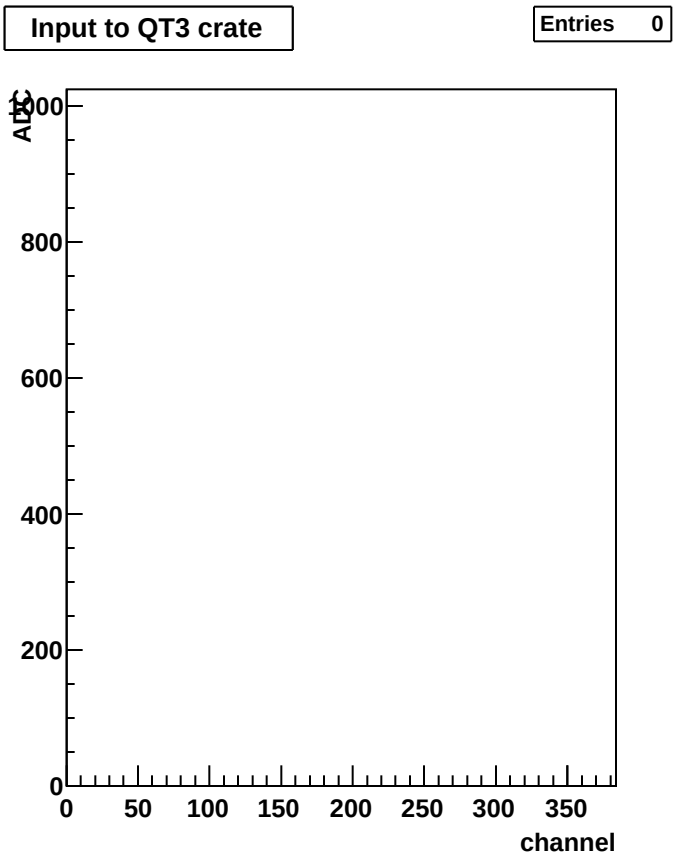

Entries 312166
BBC-S-East ADC Sum
BBC-S-West ADC Sum

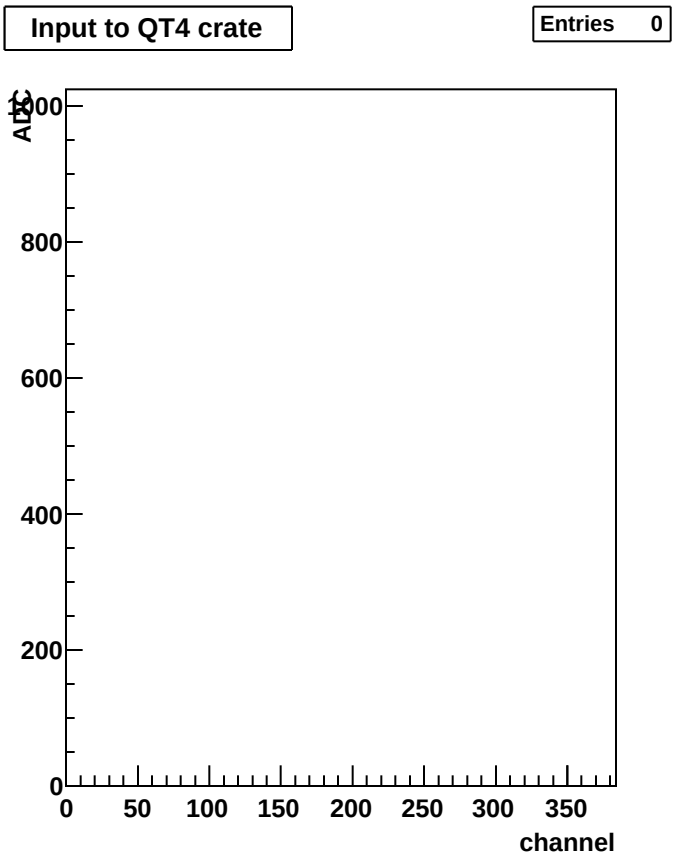

Entries 312166
ZDC East ADC Sum Att
ZDC West ADC Sum Att

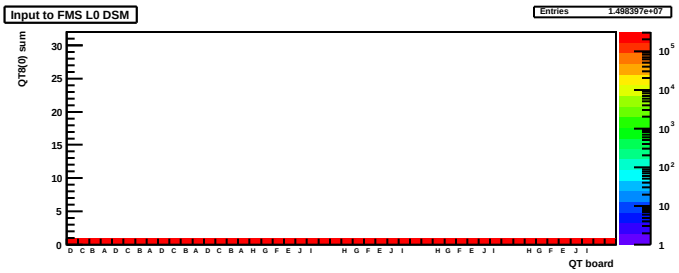

Entries 312166
BBC-L TAC Diff
BCC-S TAC Diff
Entries 312166
BBC-L TAC Diff
VPD TAC Diff
Entries 312166
BBC-L TAC Diff
ZDC TAC Diff
Entries 312166
BBC-S TAC Diff
VPD TAC Diff
Entries 312166
BBC-S TAC Diff
ZDC TAC Diff
Entries 312166
VPD TAC Diff
ZDC TAC Diff

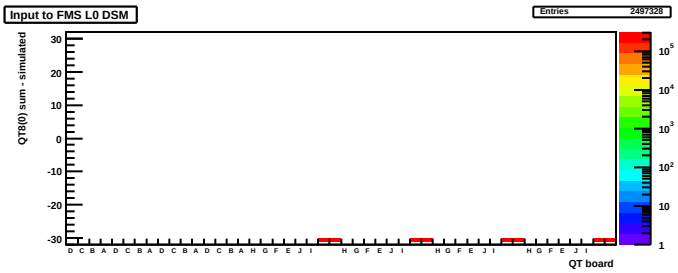

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

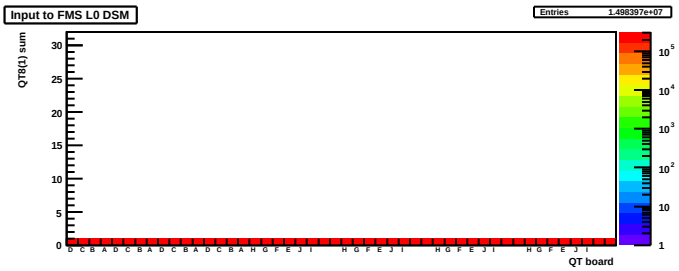

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

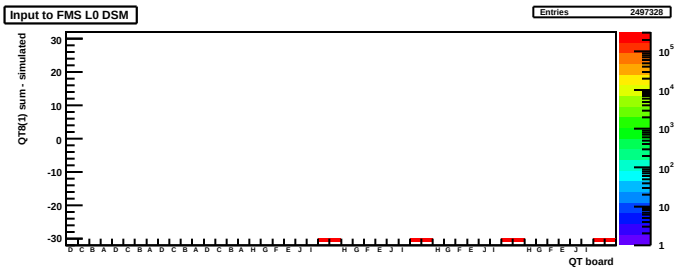

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

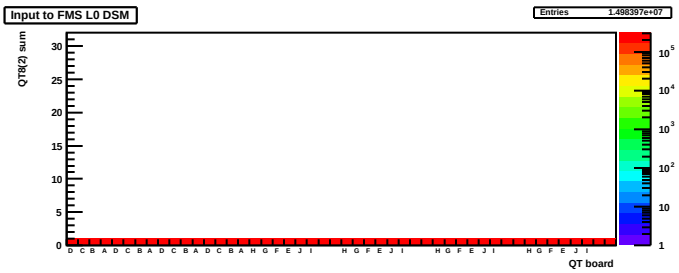

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

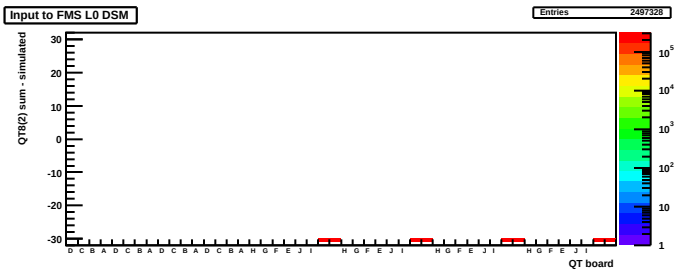

Input to FMS L0 DSM
Entries 1.498397e+07
QT8(0) sum
QT board

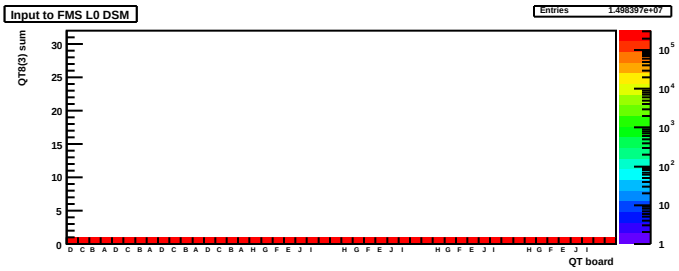

Input to FMS L0 DSM
Entries 2497328
QT8(0) sum - simulated
QT board

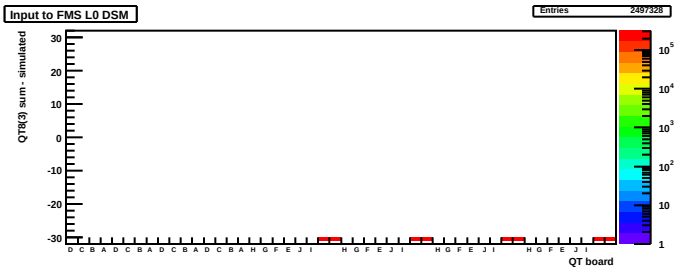

Input to FMS L0 DSM
Entries 1.498397e+07
QT8(1) sum
QT board

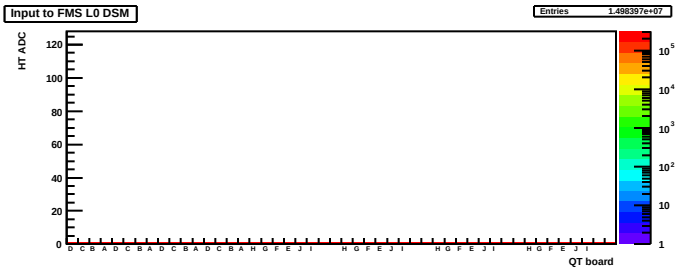

Input to FMS L0 DSM
Entries 2497328
QT8(1) sum - simulated
QT board

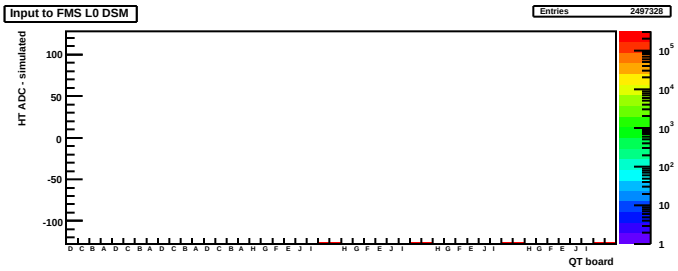

Input to FMS L0 DSM
Entries 1.498397e+07
QT8(2) sum
QT board

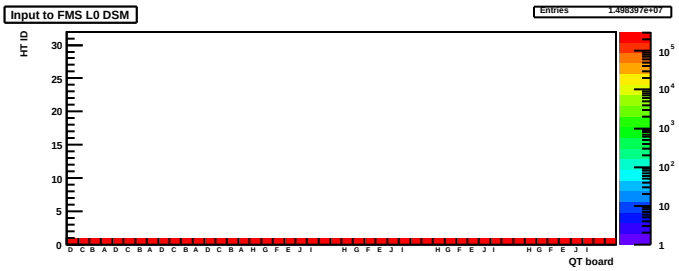

Input to FMS L0 DSM
Entries 2497328
QT8(2) sum - simulated
QT board

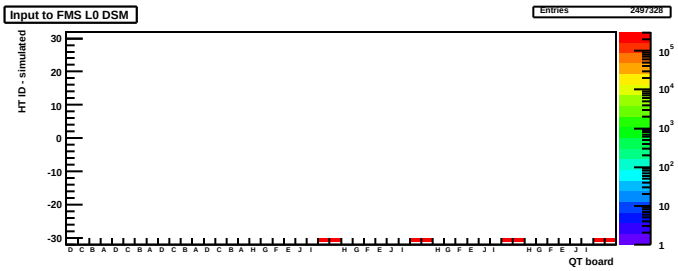

Input to FMS L0 DSM
Entries 1.498397e+07
QT8(3) sum
QT board

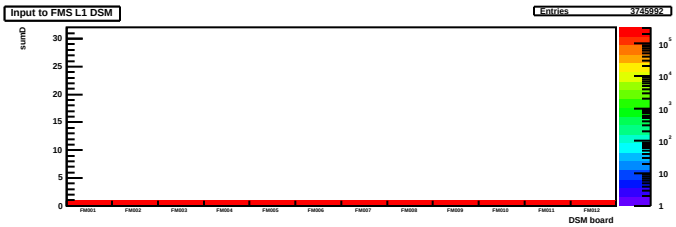

Input to FMS L0 DSM
Entries 2497328
QT8(3) sum - simulated
QT board

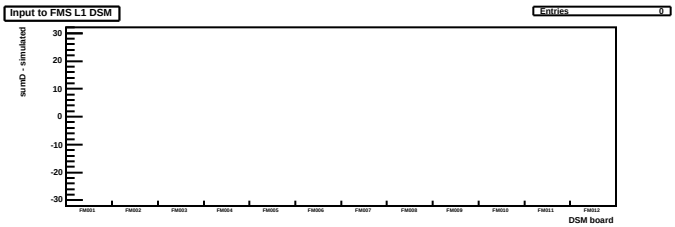

Input to FMS L0 DSM
Entries 1.498397e+07
HT ADC
QT board

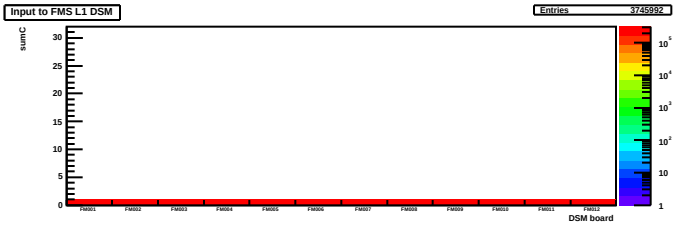

Input to FMS L0 DSM
Entries 2497328
HT ADC - simulated
QT board

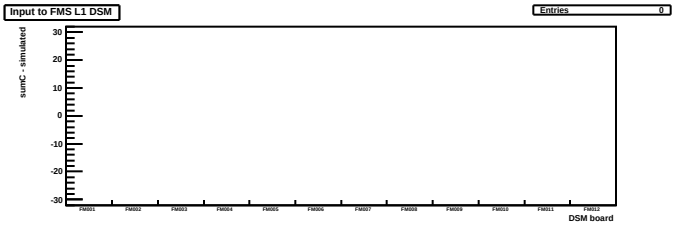

Input to FMS L0 DSM
Entries 1.498397e+07
HT ID
QT board

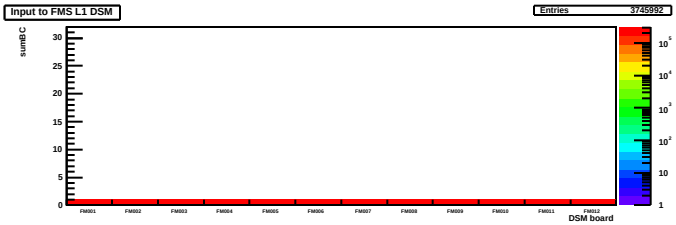

Input to FMS L0 DSM
Entries 2497328
HT ID - simulated
QT board

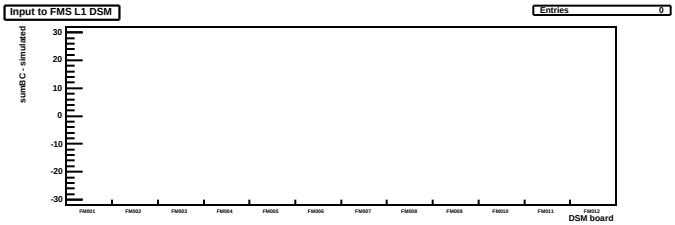

Input to FMS L1 DSM
Entries 3745992
sumD
DSM board

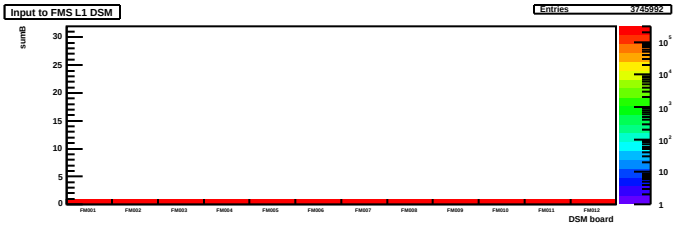

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

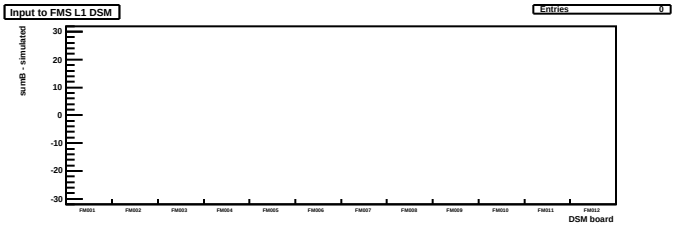

Input to FMS L1 DSM
Entries 3745992
sumC
DSM board

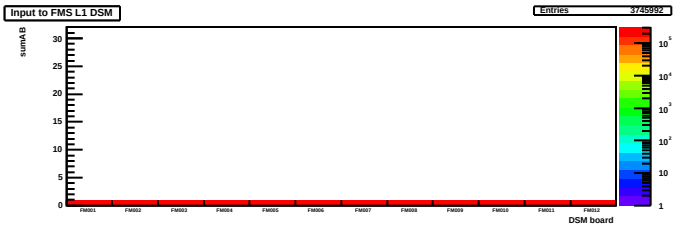

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

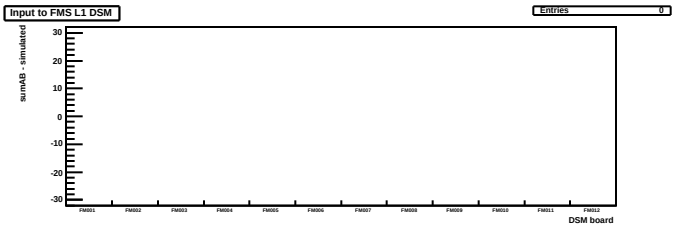

Input to FMS L1 DSM
Entries 3745992
sumBC
DSM board

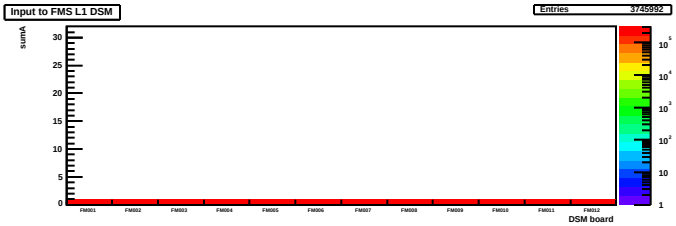

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

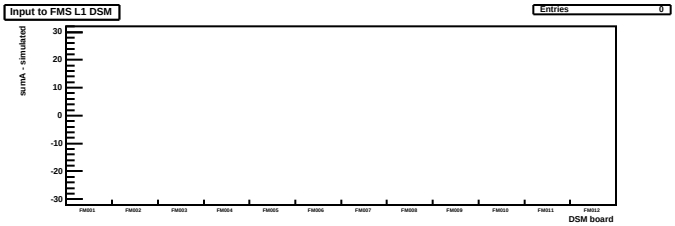

Input to FMS L1 DSM
Entries 3745992
sumB
DSM board

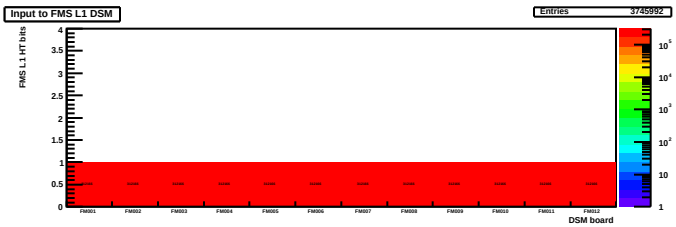

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

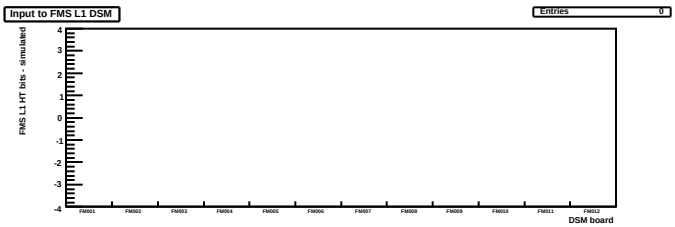

Input to FMS L1 DSM
Entries 3745992
sumAB
DSM board

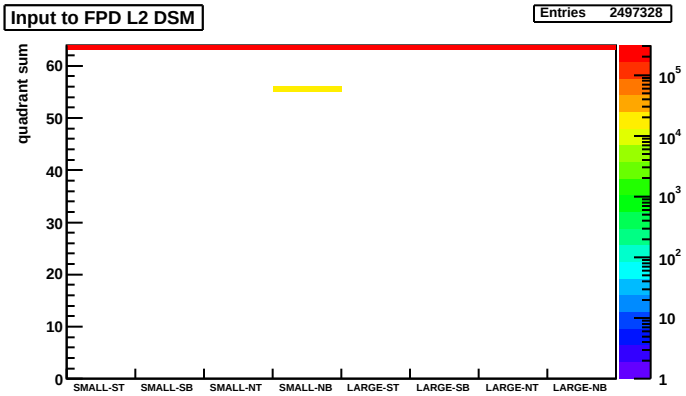

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

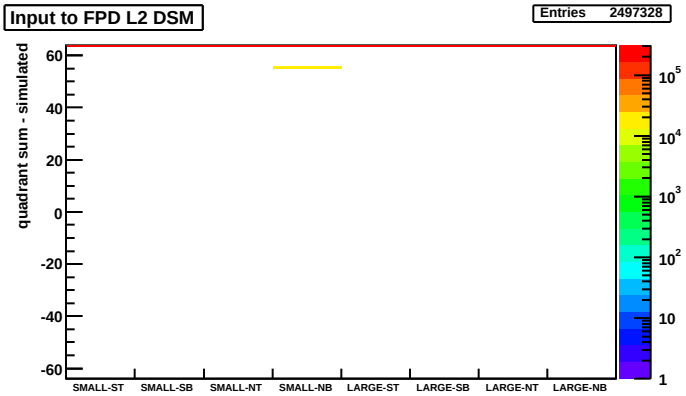

Input to FMS L1 DSM
Entries 3745992
sumA
DSM board

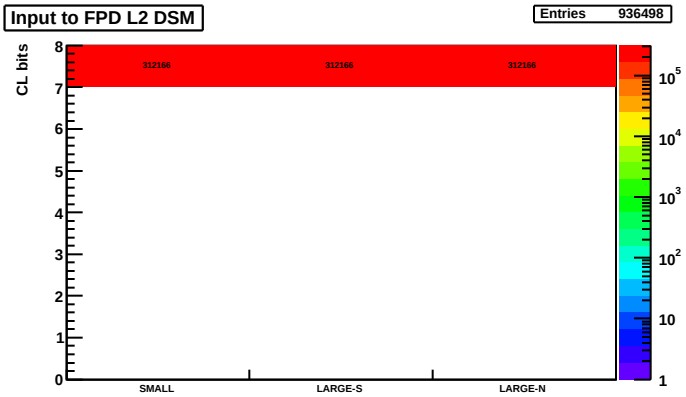

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

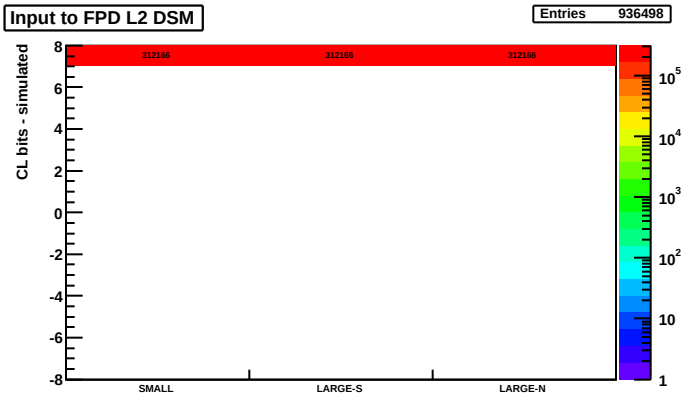

Input to FMS L1 DSM
Entries 3745992
FMS L1 HT bits
DSM board

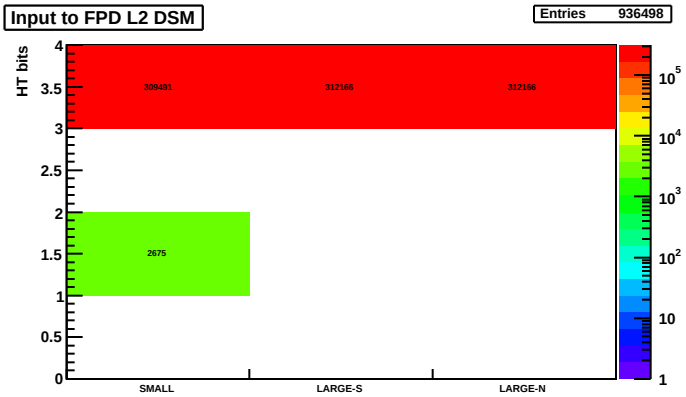

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

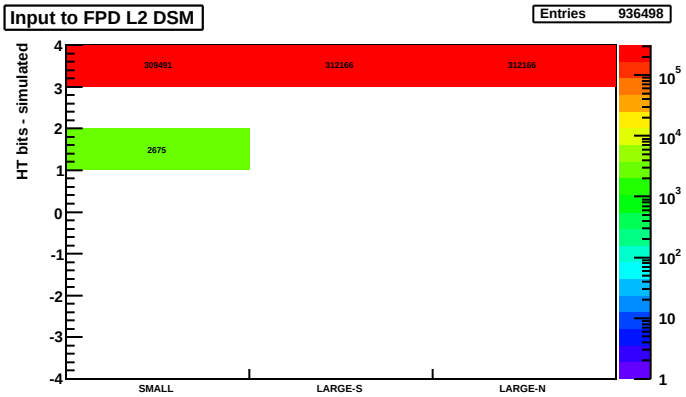

Input to FPD L2 DSM
Entries 2497328
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

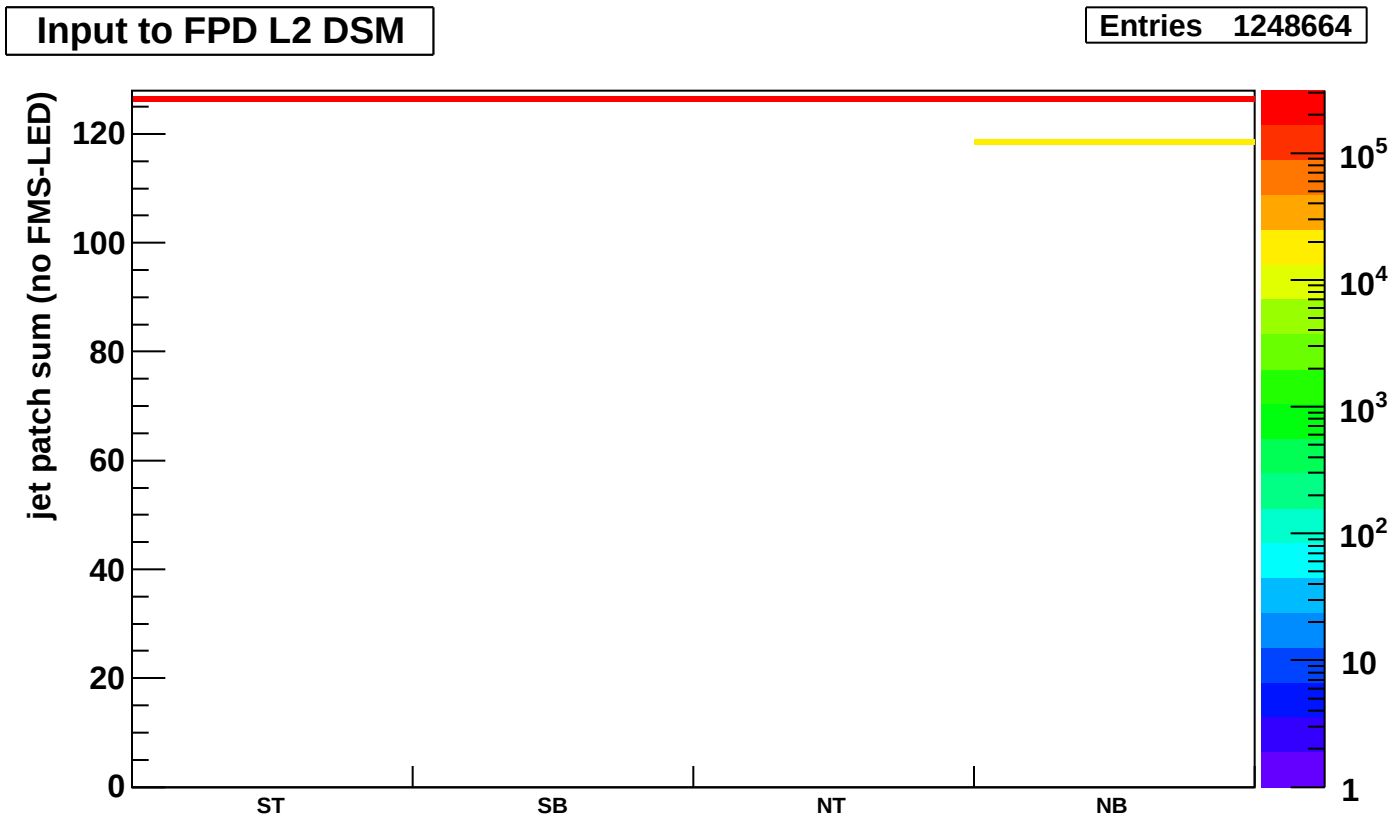

Input to FPD L2 DSM
Entries 2497328
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

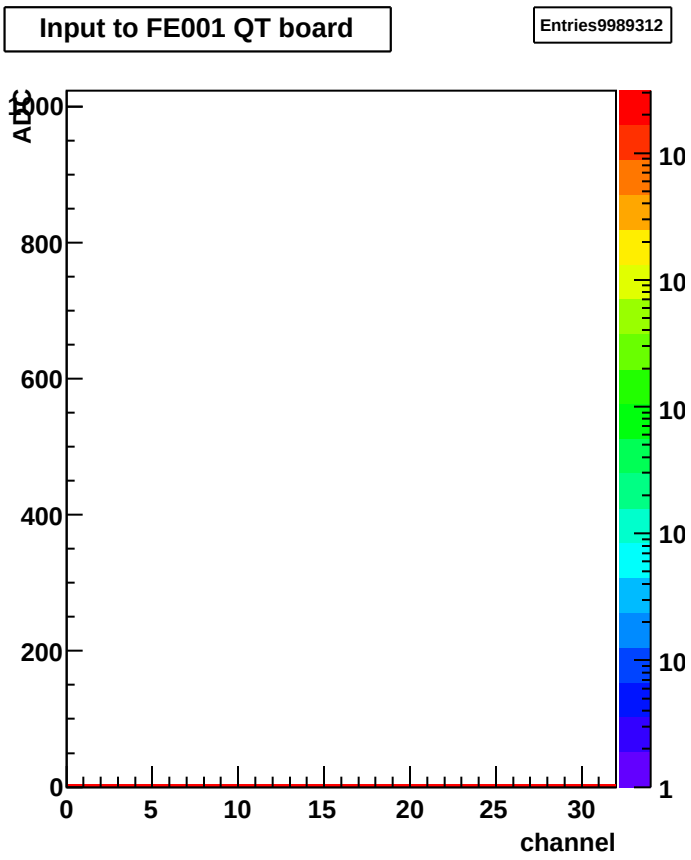

Input to FPD L2 DSM
Entries 936498
CL bits
312166
312166
312166
SMALL
LARGE-S
LARGE-N

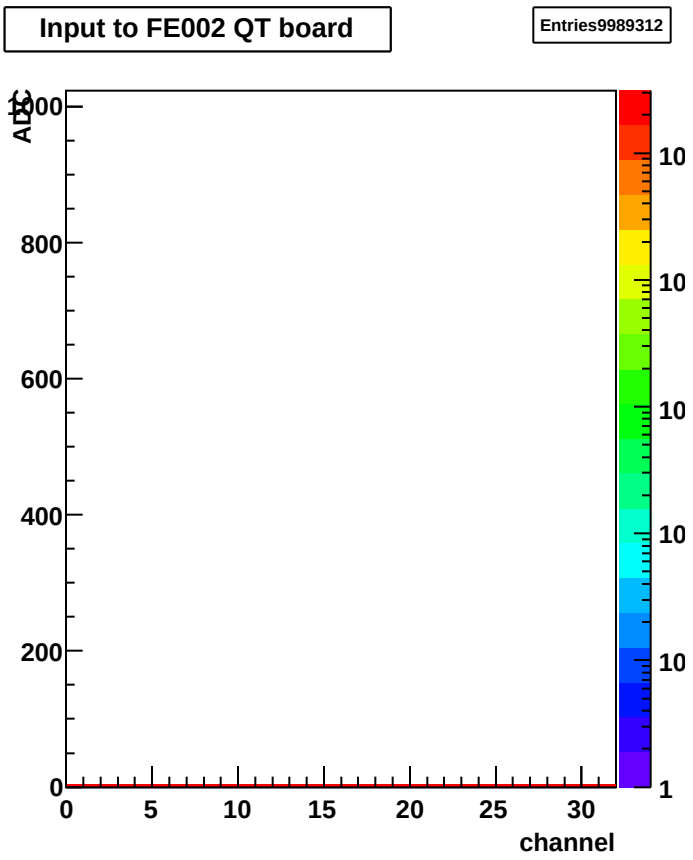

Input to FPD L2 DSM
Entries 936498
CL bits - simulated
312166
312166
312166
SMALL
LARGE-S
LARGE-N

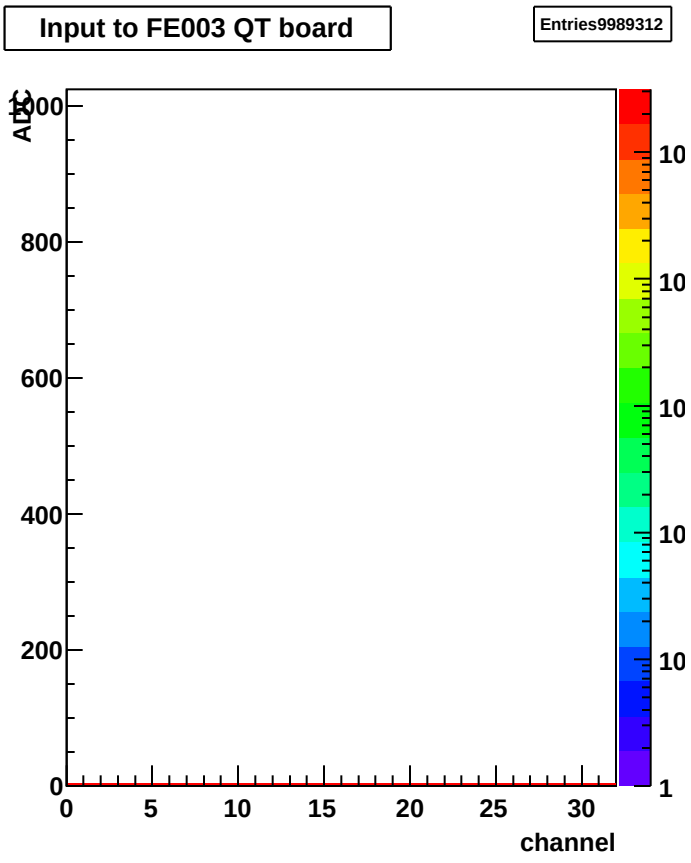

Input to FPD L2 DSM
Entries 936498
HT bits
309491
312166
312166
2675
SMALL
LARGE-S
LARGE-N

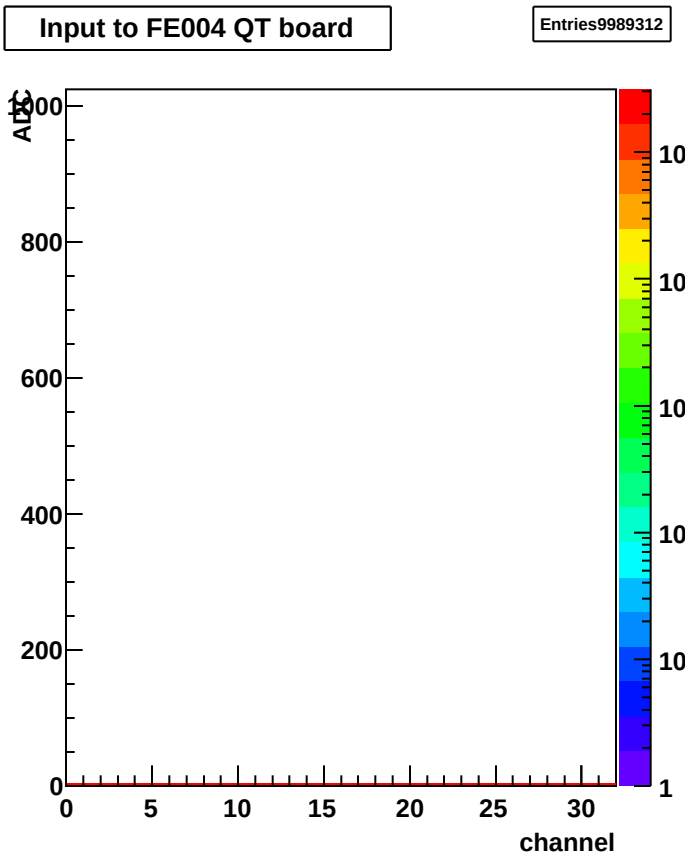

Input to FPD L2 DSM
Entries 936498
HT bits - simulated
309491
312166
312166
2675
SMALL
LARGE-S
LARGE-N

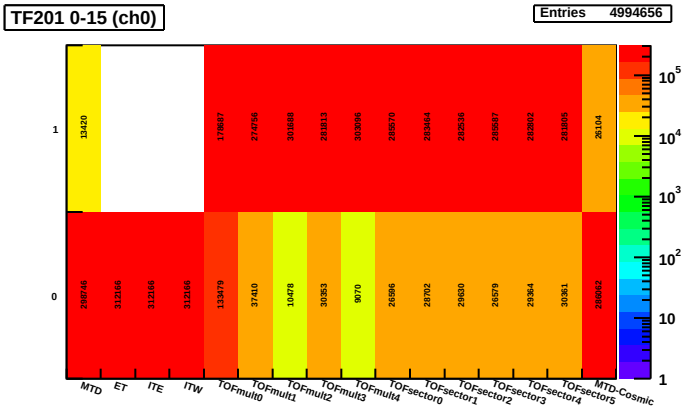

Input to FPD L2 DSM
Entries 1248664
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

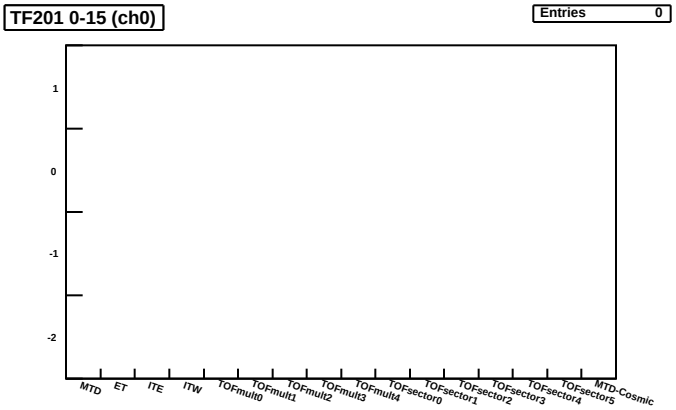

Input to FE001 QT board
Entries9989312
ADC
channel

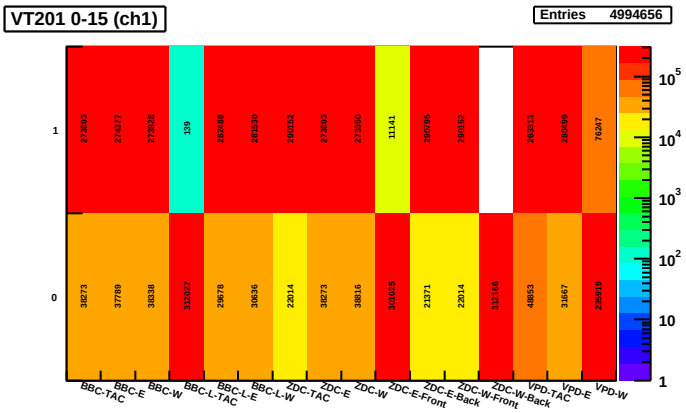

Input to FE002 QT board
Entries9989312
ADC
channel

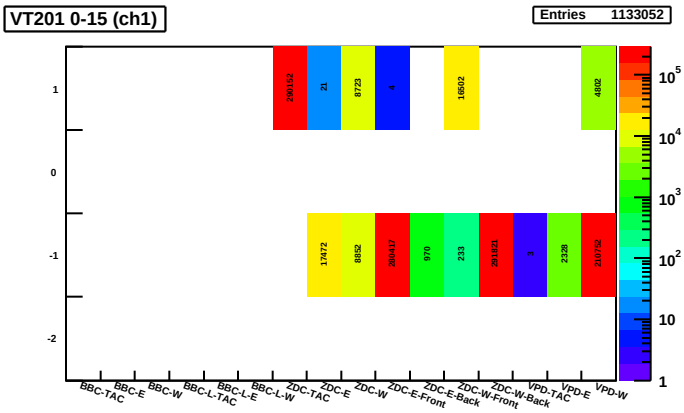

Input to FE003 QT board
Entries9989312
ADC
channel

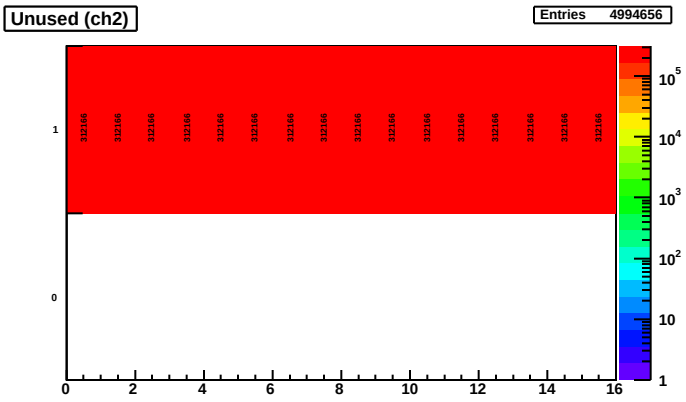

Input to FE004 QT board
Entries9989312
ADC
channel

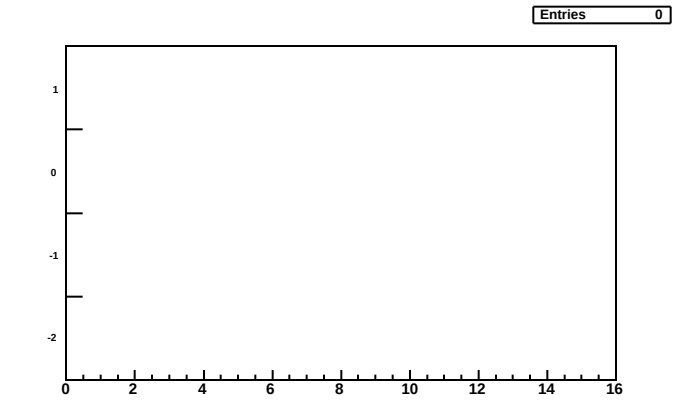

TF201 0-15 (ch0)
Entries 4994656
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

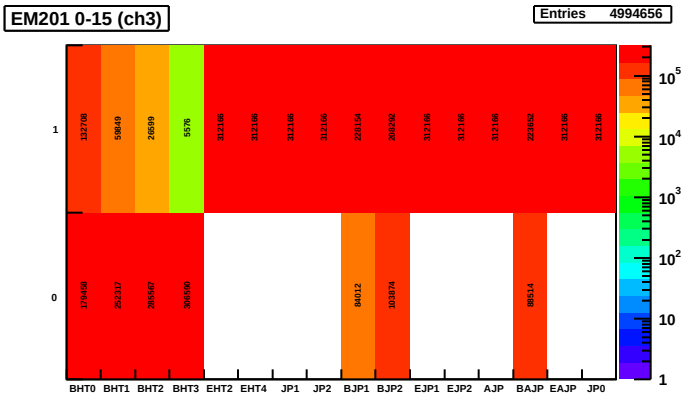

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

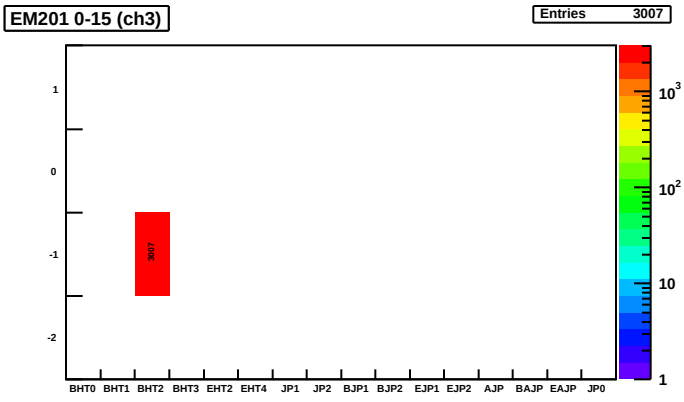

VT201 0-15 (ch1)
Entries 4994656
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

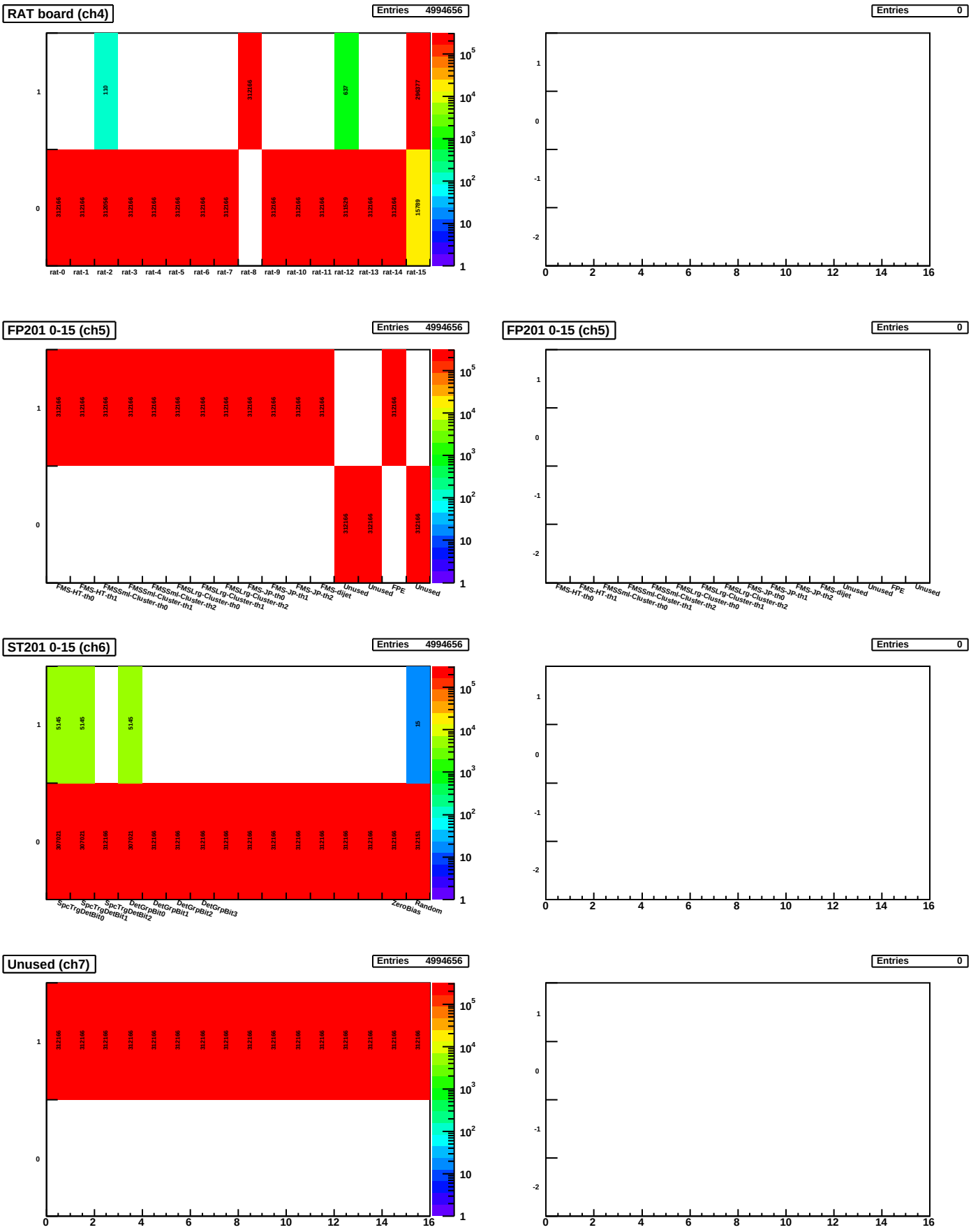

VT201 0-15 (ch1)
Entries 1133052
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


Unused (ch2)
Entries 4994656


Entries 0


EM201 0-15 (ch3)
Entries 4994656
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0


EM201 0-15 (ch3)
Entries 3007
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0


RAT board (ch4)
Entries 4994656
Entries 0
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
FP201 0-15 (ch5)
Entries 4994656
Entries 0
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused
ST201 0-15 (ch6)
Entries 4994656
Entries 0
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random
Unused (ch7)
Entries 4994656
Entries 0