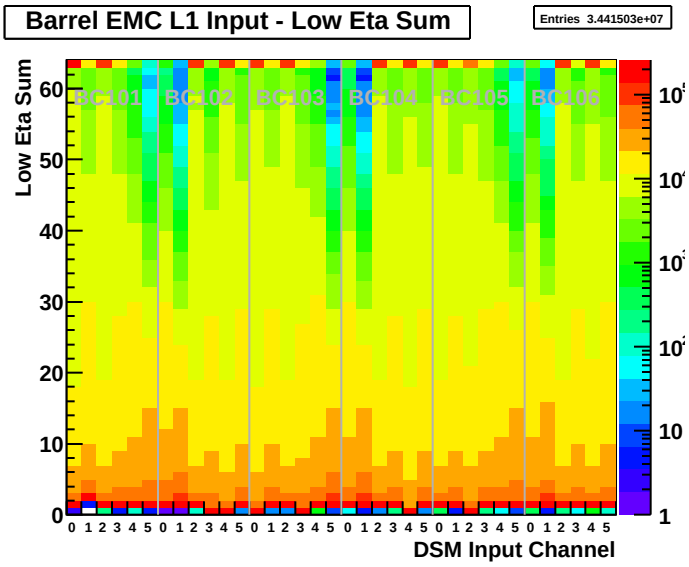
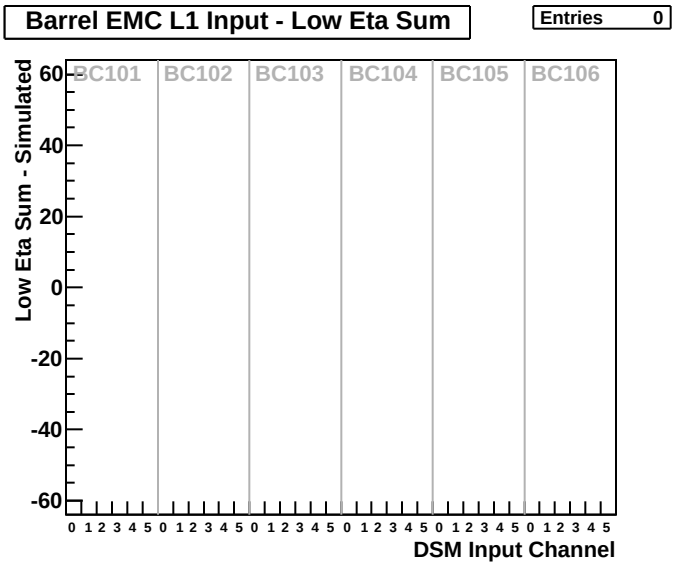
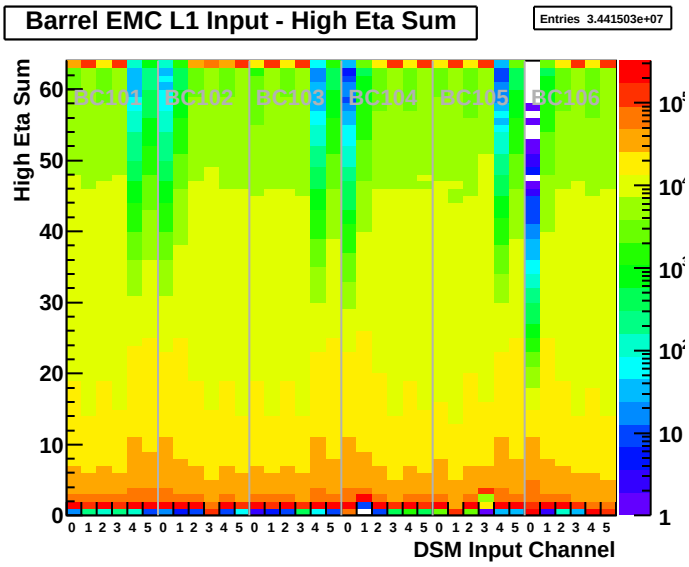
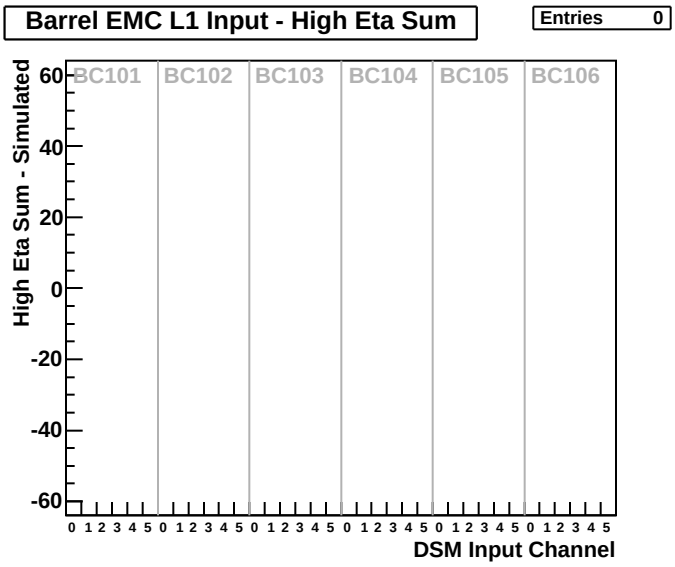
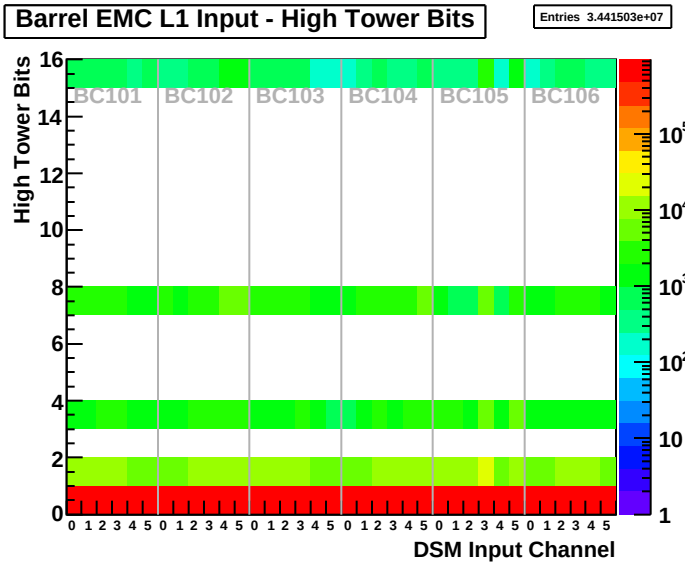
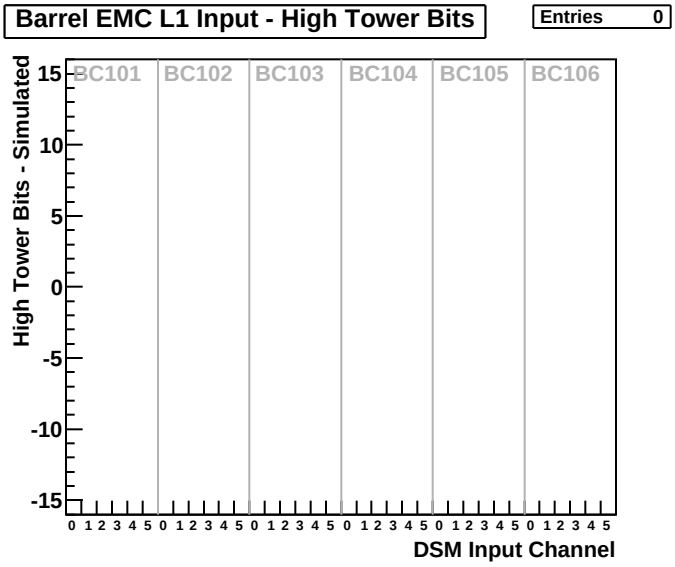

Barrel EMC L1 Input - Low Eta Sum
Entries 3.441503e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

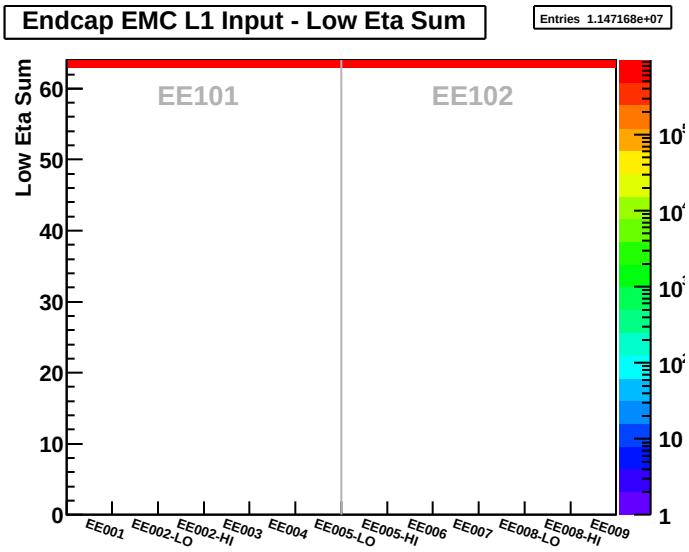

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

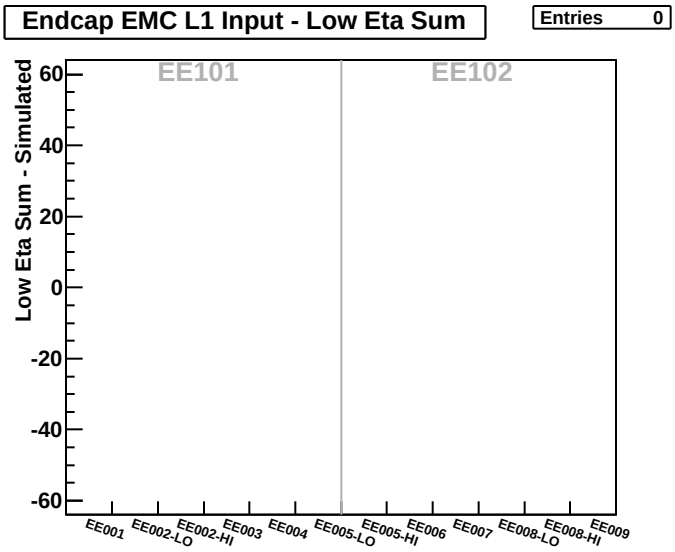

Barrel EMC L1 Input - High Eta Sum
Entries 3.441503e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

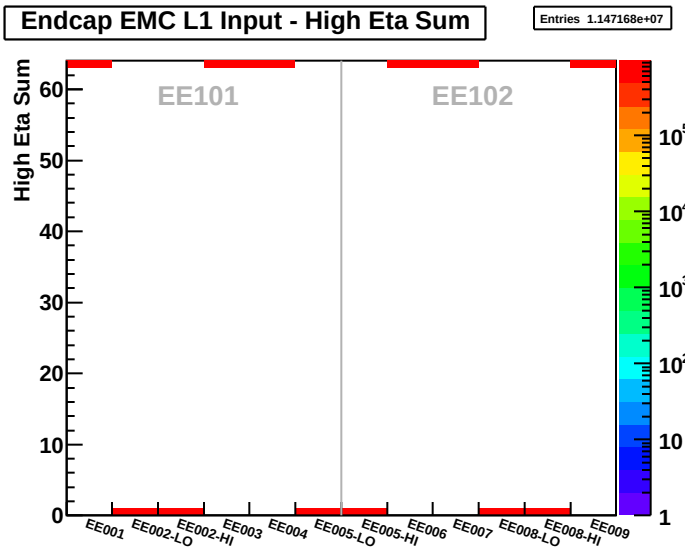

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

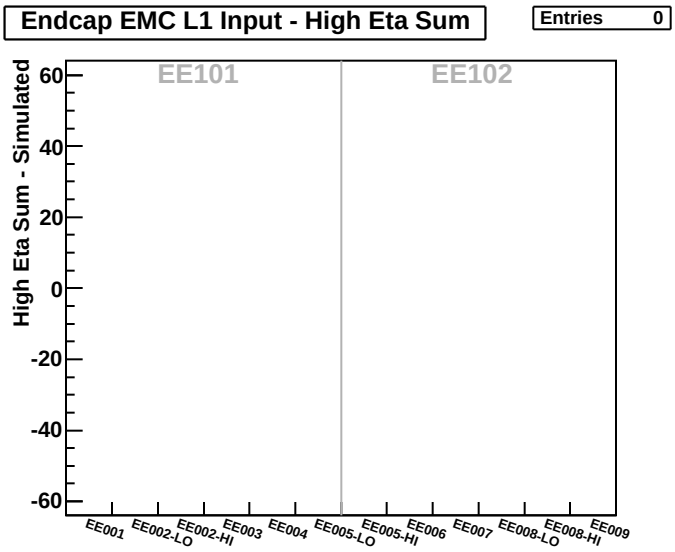

Barrel EMC L1 Input - High Tower Bits
Entries 3.441503e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

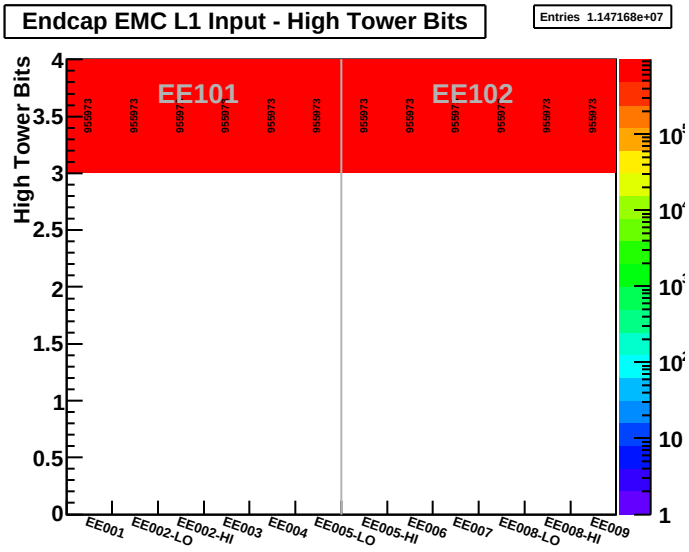

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

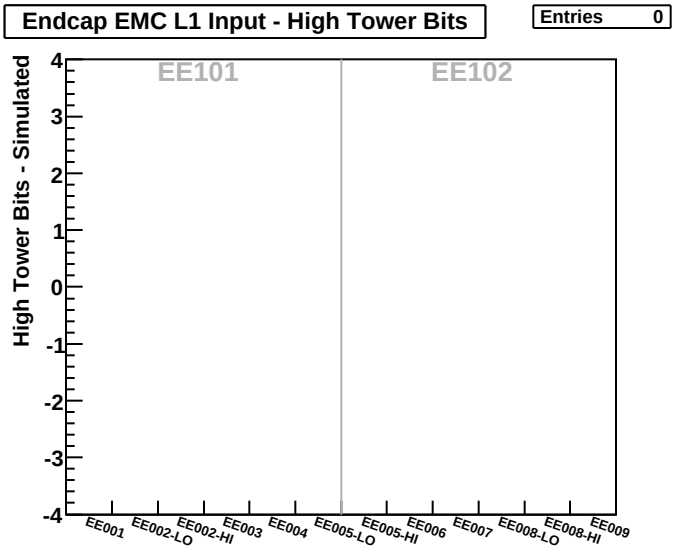

Endcap EMC L1 Input - Low Eta Sum
Entries 1.147168e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

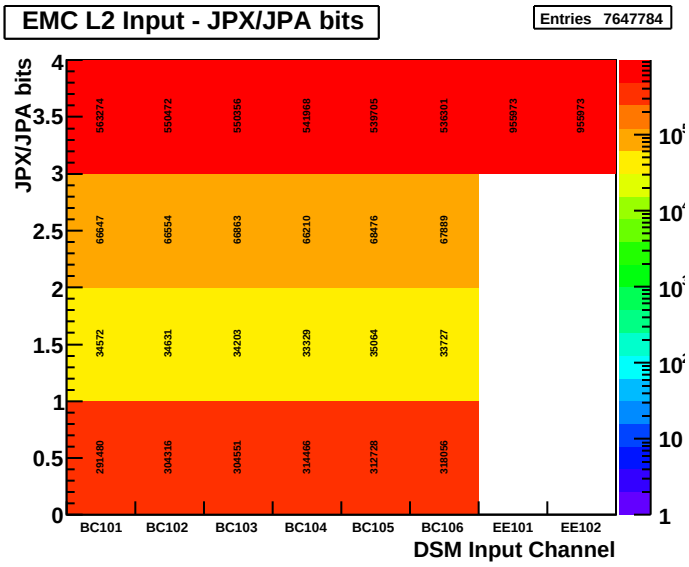

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

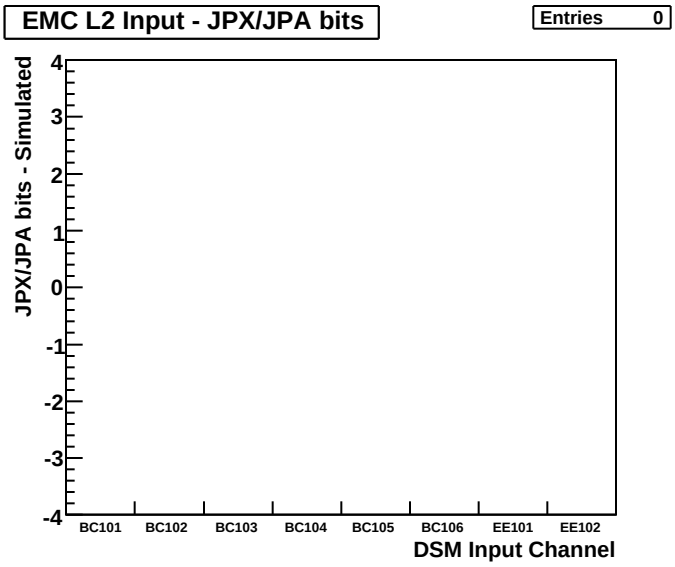

Endcap EMC L1 Input - High Eta Sum
Entries 1.147168e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

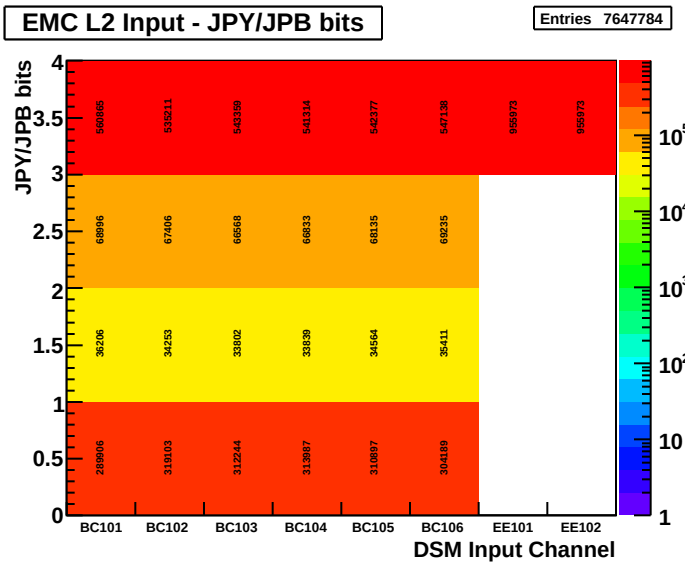

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

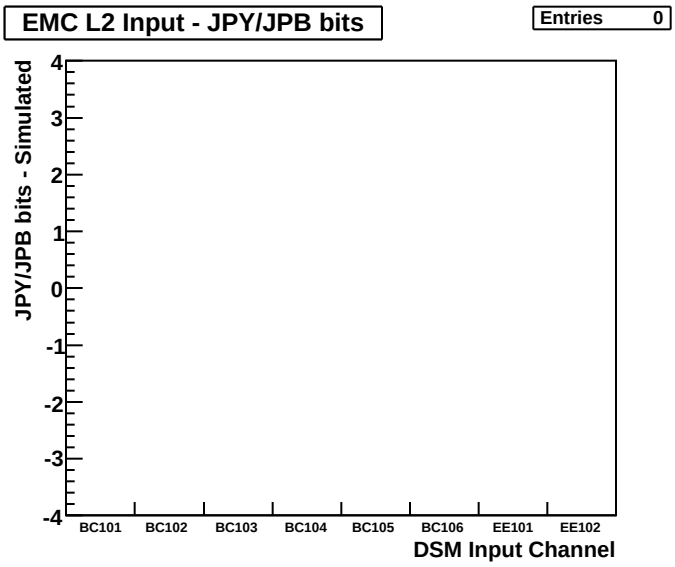

Endcap EMC L1 Input - High Tower Bits
Entries 1.147168e+07
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

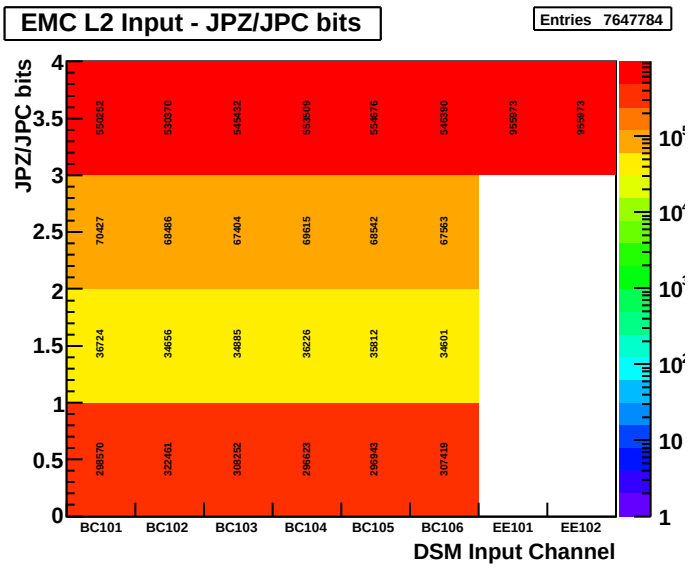

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

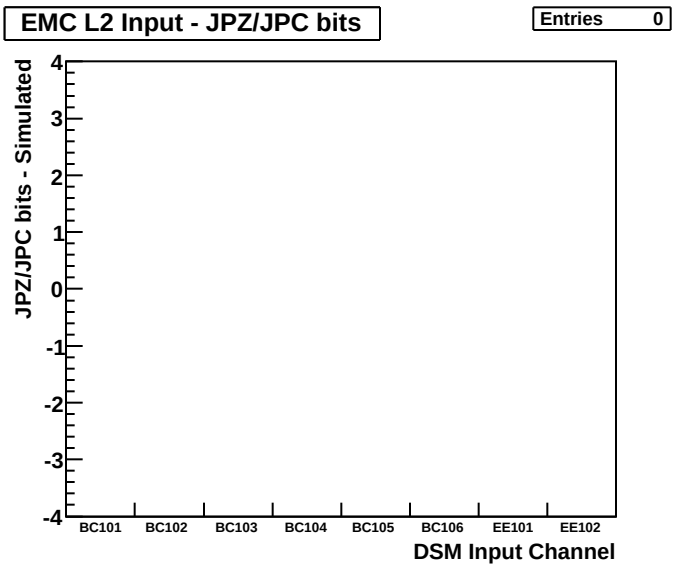

EMC L2 Input - JPX/JPA bits
Entries 7647784
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
553274 550472 550356 541968 539705 536301 955973 955973
66447 66554 66863 66210 68476 67889
34572 34631 34203 33329 35064 33727
291460 304316 304551 314466 312728 318056

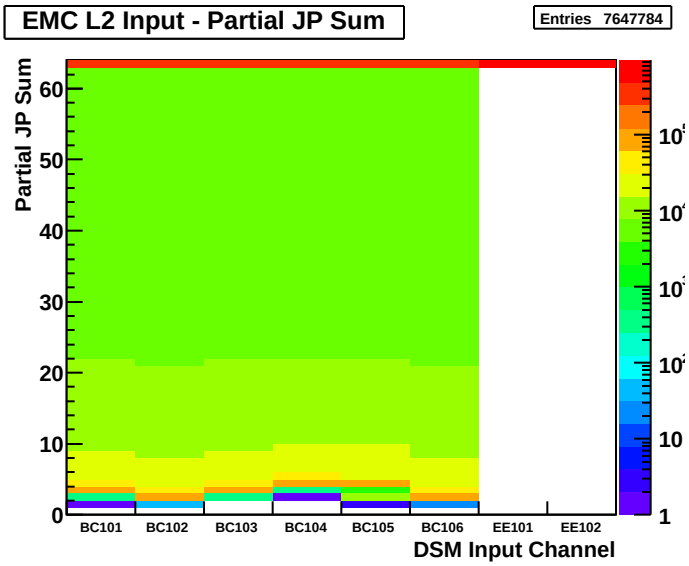

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

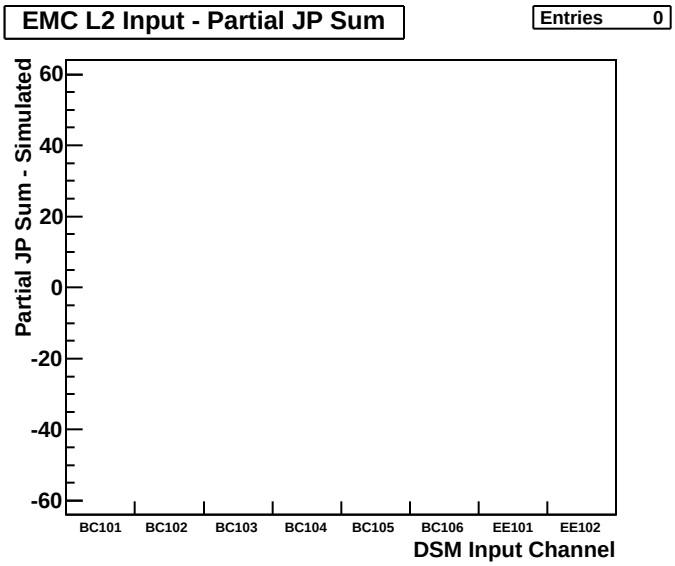

EMC L2 Input - JPY/JPB bits
Entries 7647784
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
560865 538211 543359 541314 542377 547138 955973 955973
68996 67406 66568 66833 68135 69235
36206 34253 33802 33839 34564 35411
289906 319103 312244 313987 310897 304189

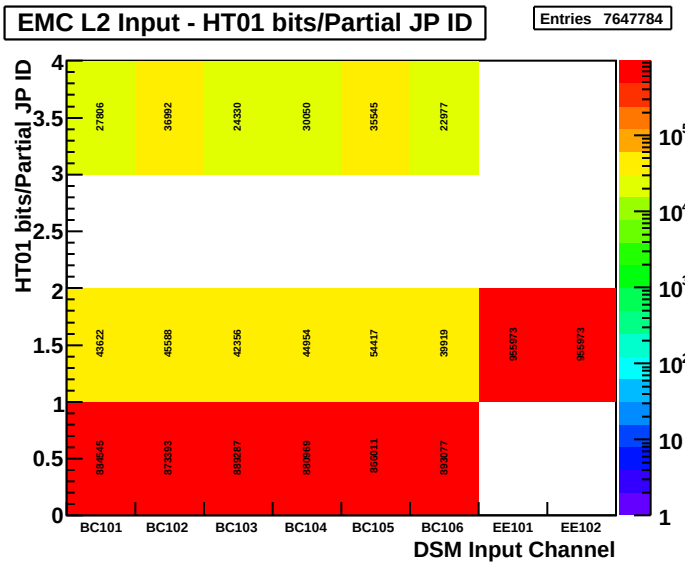

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

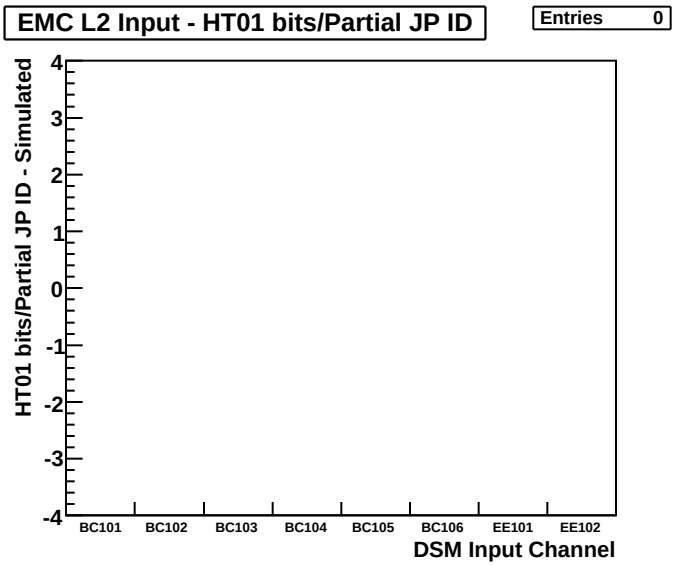

EMC L2 Input - JPZ/JPC bits
Entries 7647784
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
550252 530370 545432 553509 554676 546990 955973 955973
70427 68486 67404 69615 68542 67563
36724 34656 34885 36226 35812 34601
298570 322461 308252 296823 296943 307419

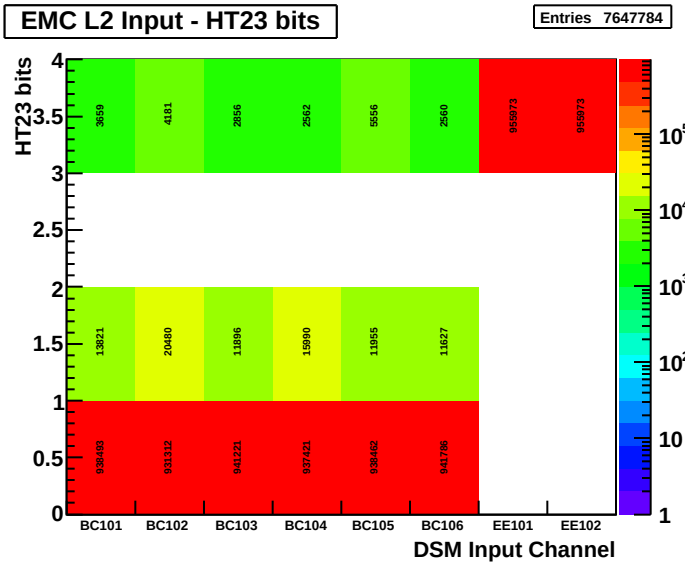

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

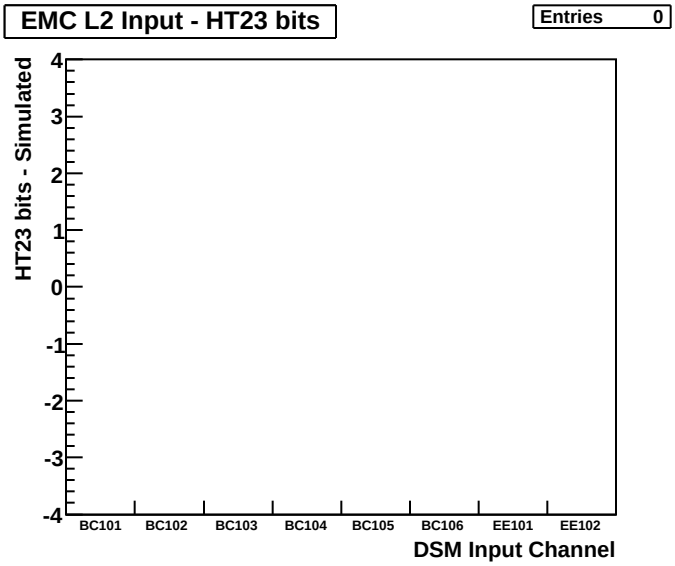

EMC L2 Input - Partial JP Sum
Entries 7647784
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

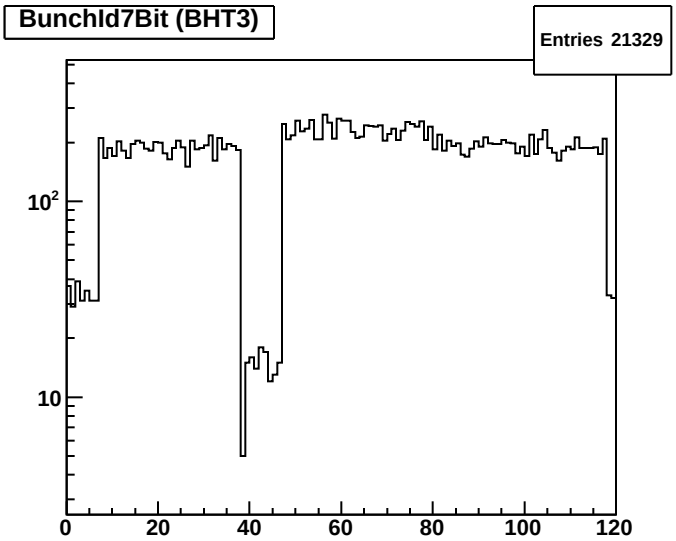

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

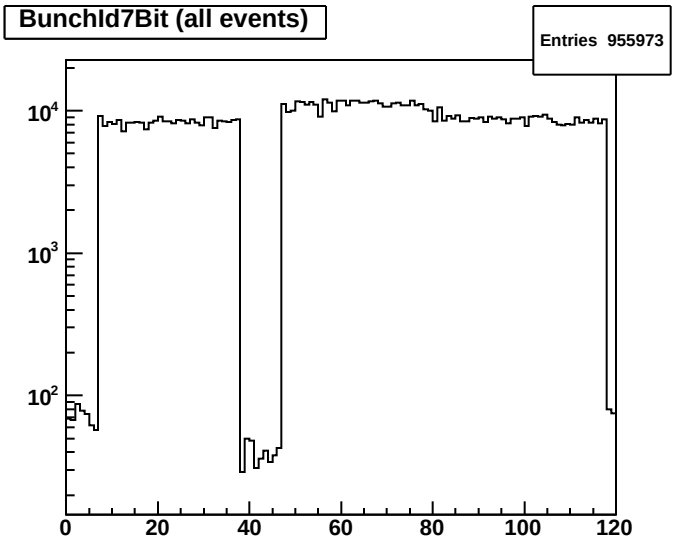

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7647784
HT01 bits/Partial JP ID
27806 36992 24330 30050 35545 22977
43622 45588 42356 44954 54417 39919 955973 955973
884545 873393 888287 880969 866011 893077
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

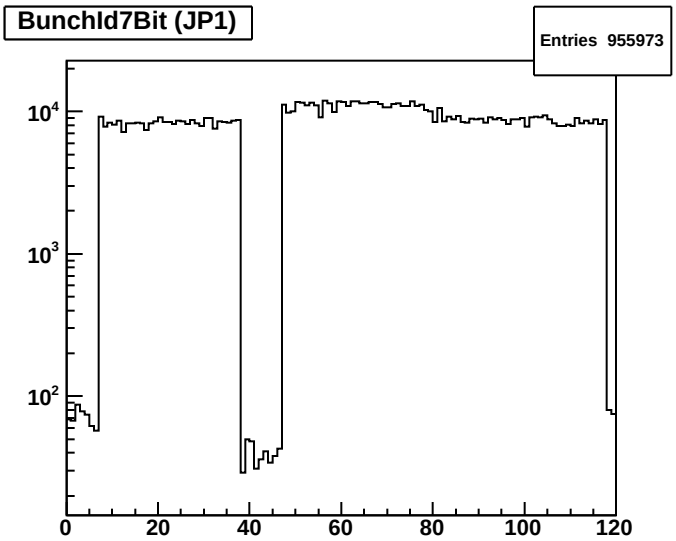

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

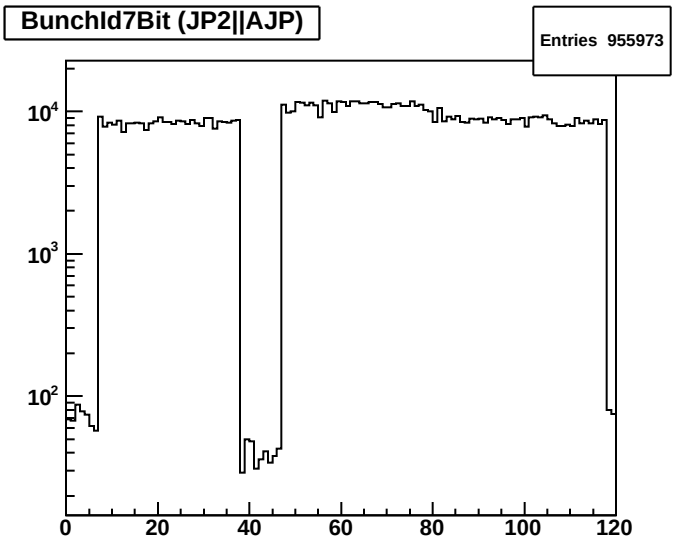

EMC L2 Input - HT23 bits
Entries 7647784
HT23 bits
3659 4181 2856 2562 5556 2560 955973 955973
13821 20480 11896 15990 11955 11627
938493 931312 941221 937421 938462 941786
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

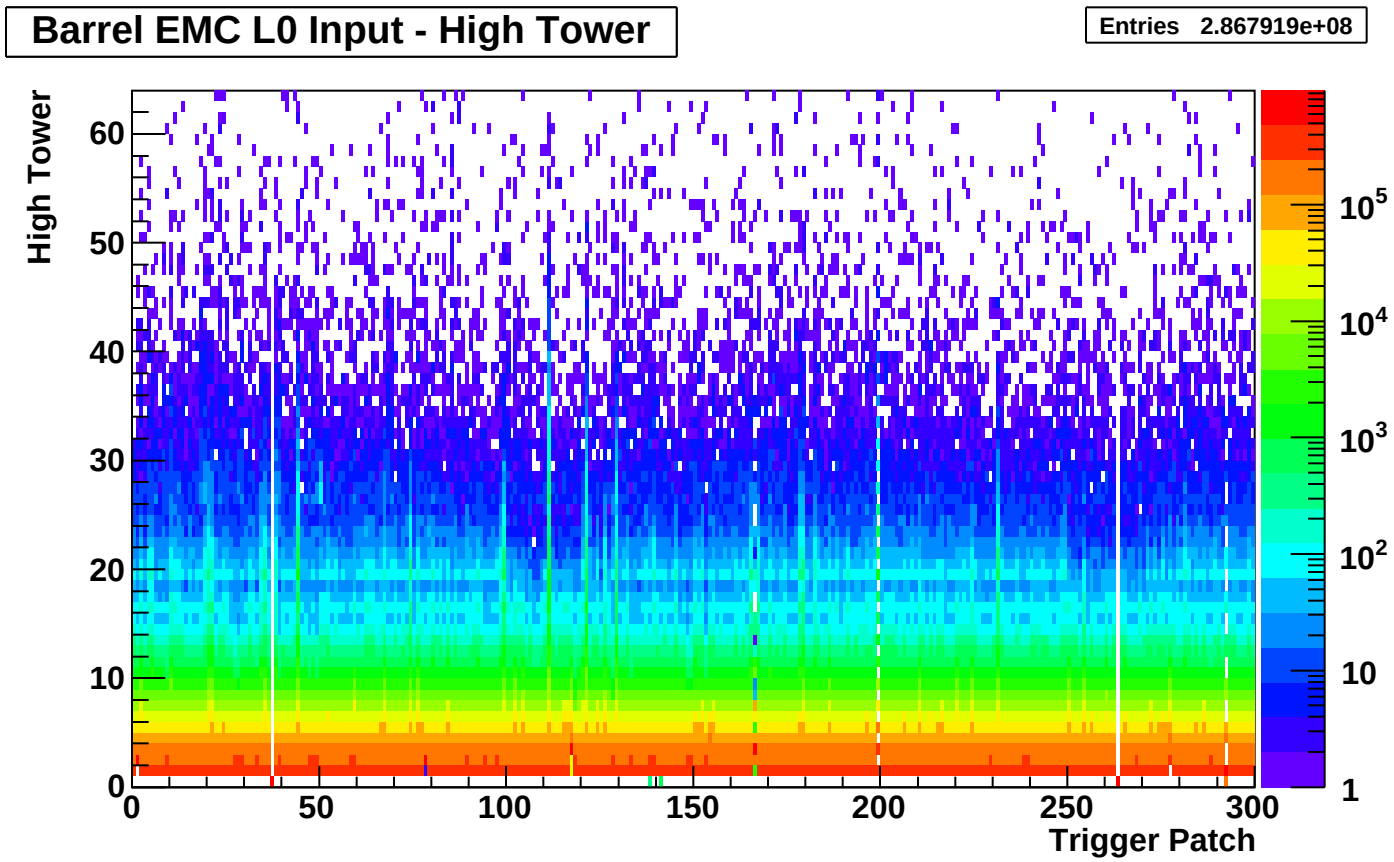

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

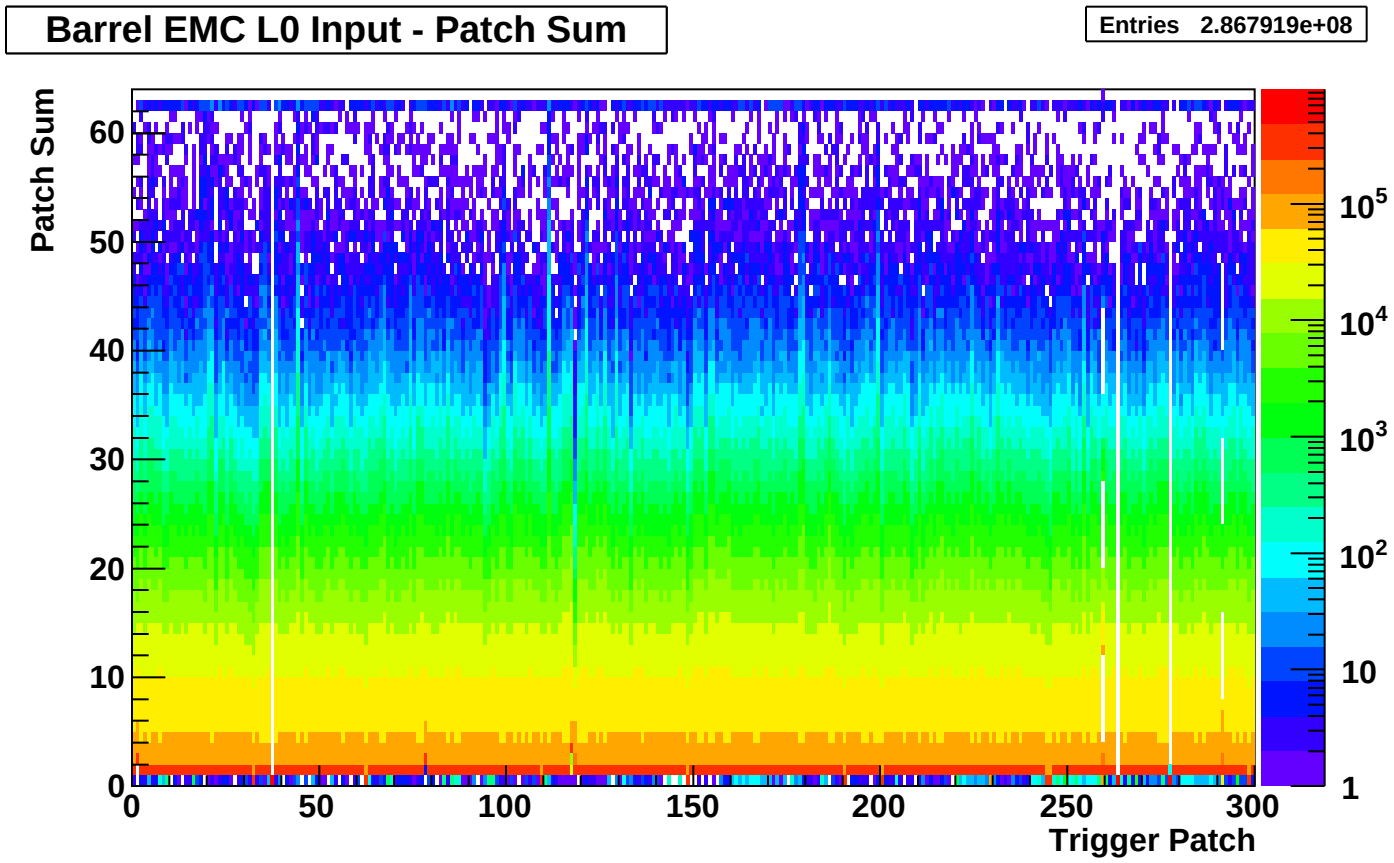

BunchId7Bit (BHT3)
Entries 21329
10^2
10
0
20
40
60
80
100
120

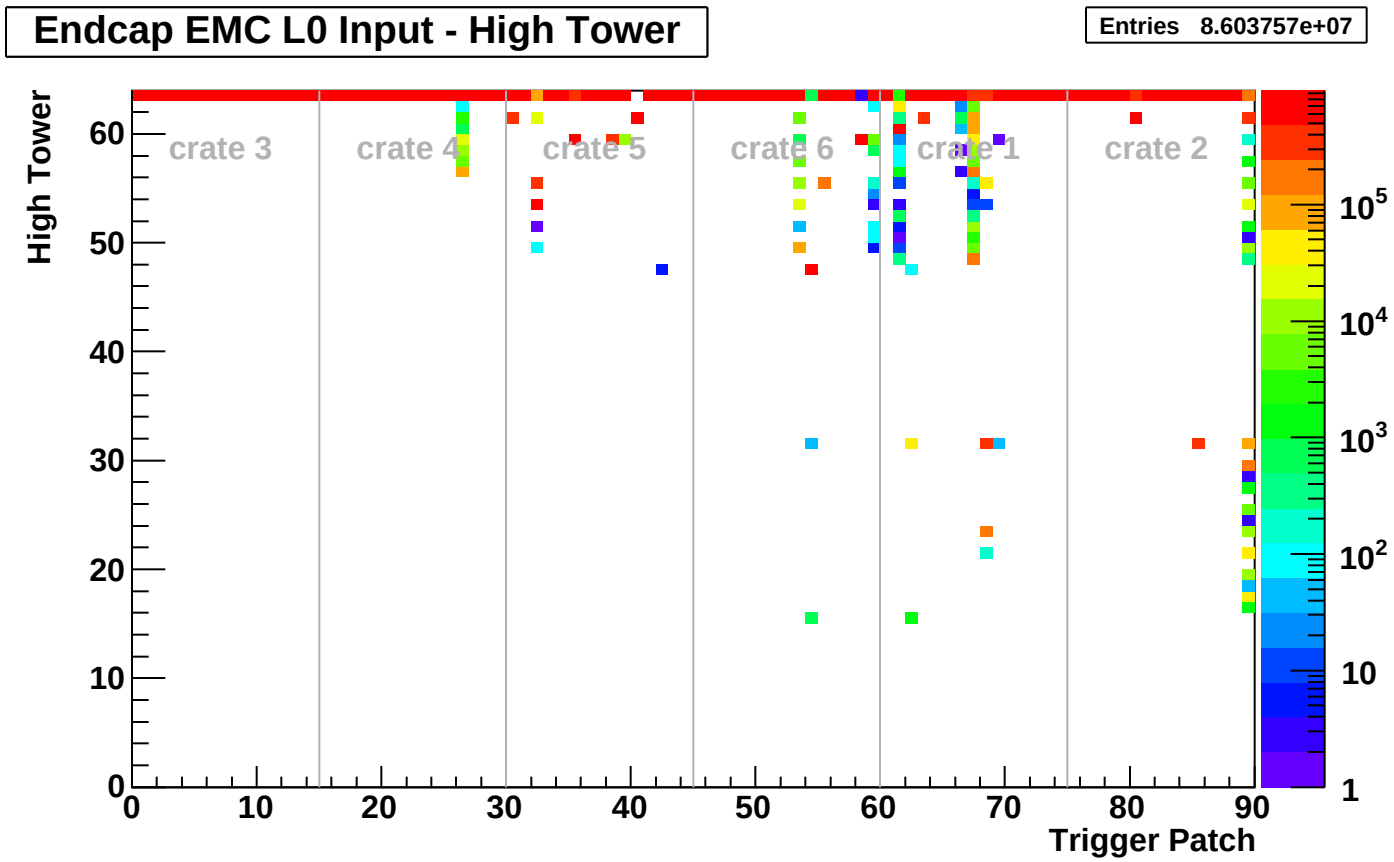

BunchId7Bit (all events)
Entries 955973
10^4
10^3
10^2
0
20
40
60
80
100
120

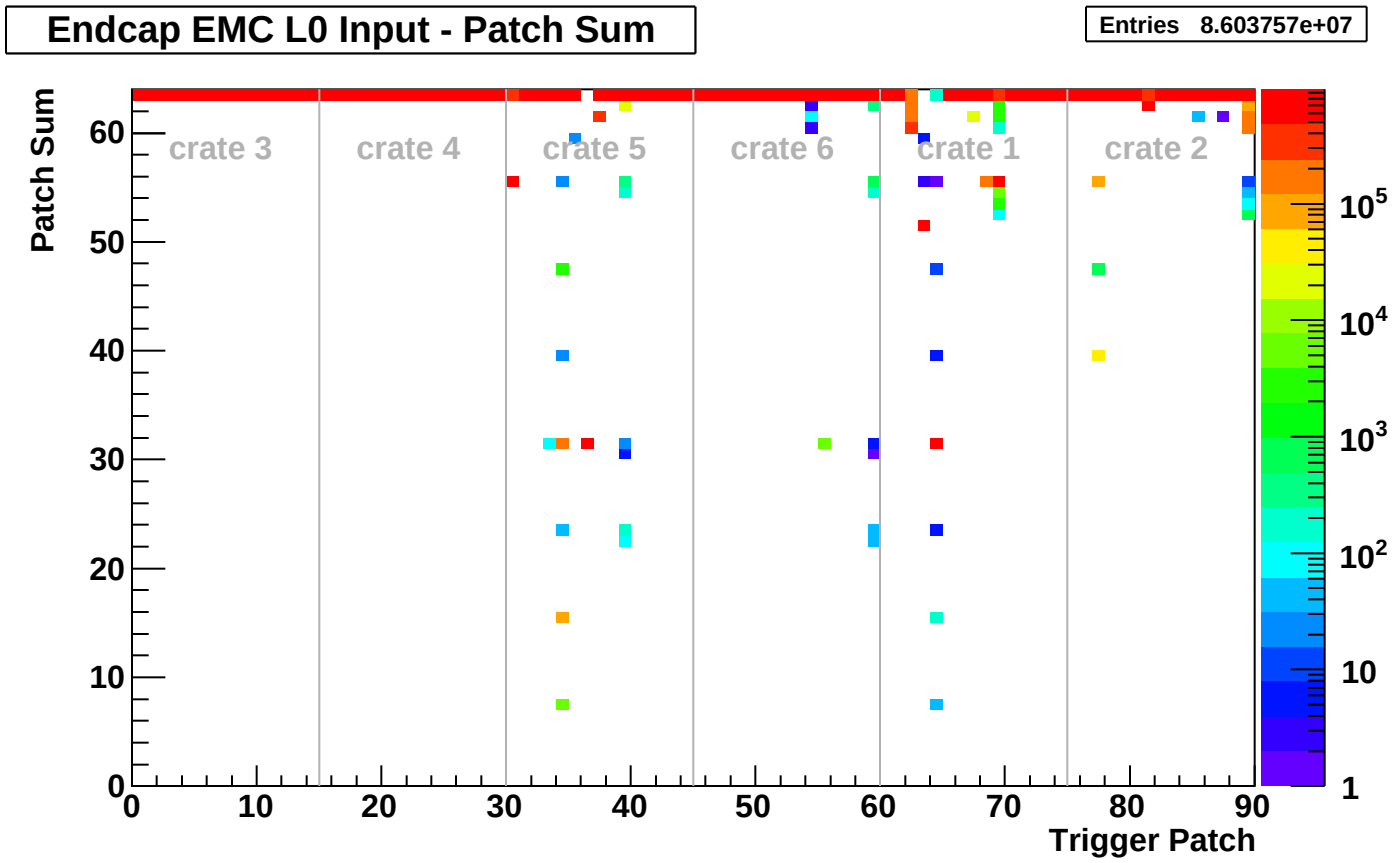

BunchId7Bit (JP1)
Entries 955973
10^4
10^3
10^2
0
20
40
60
80
100
120

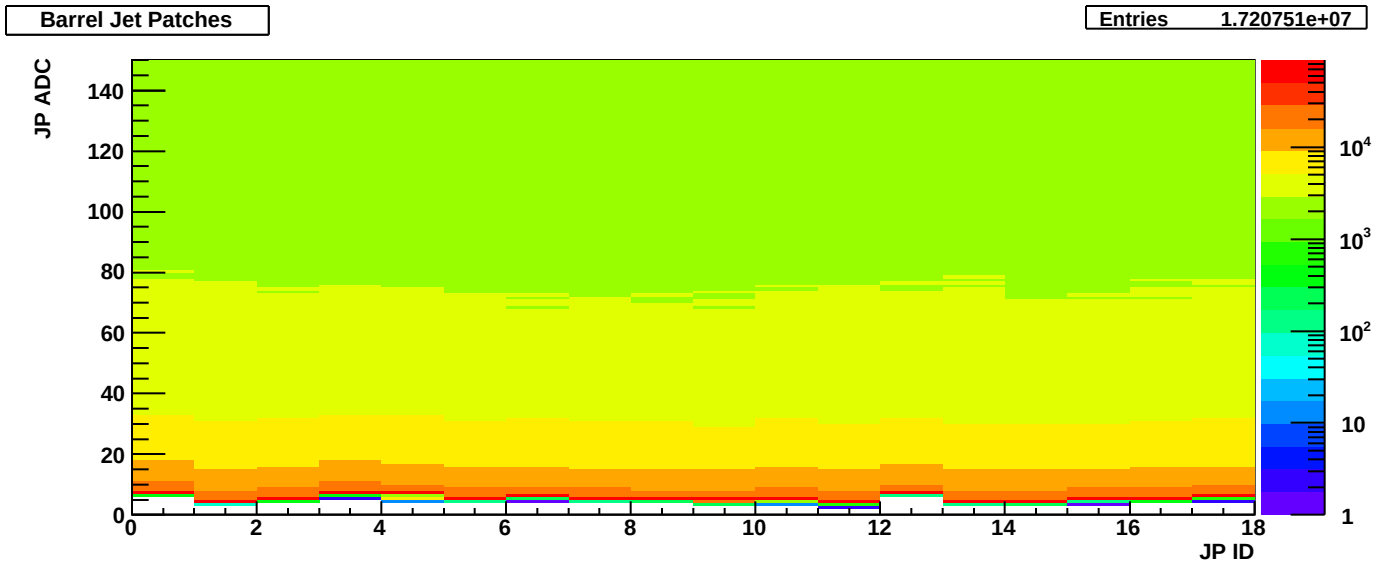

BunchId7Bit (JP2||AJP)
Entries 955973
10^4
10^3
10^2
0
20
40
60
80
100
120

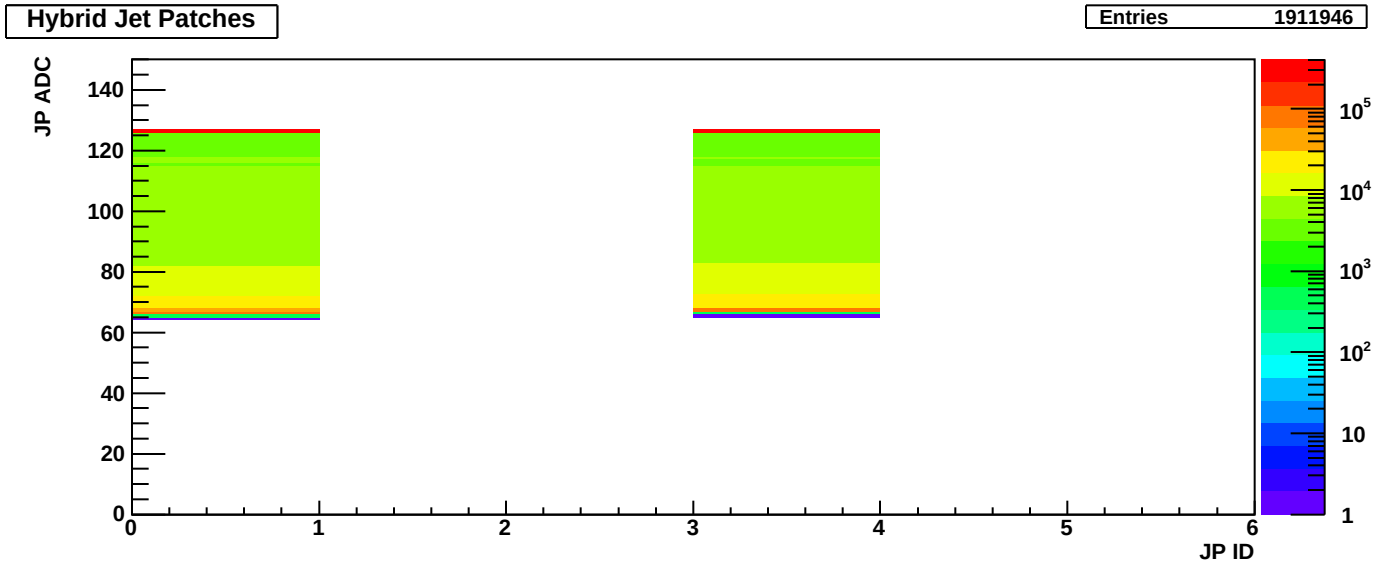

Barrel EMC L0 Input - High Tower
Entries 2.867919e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

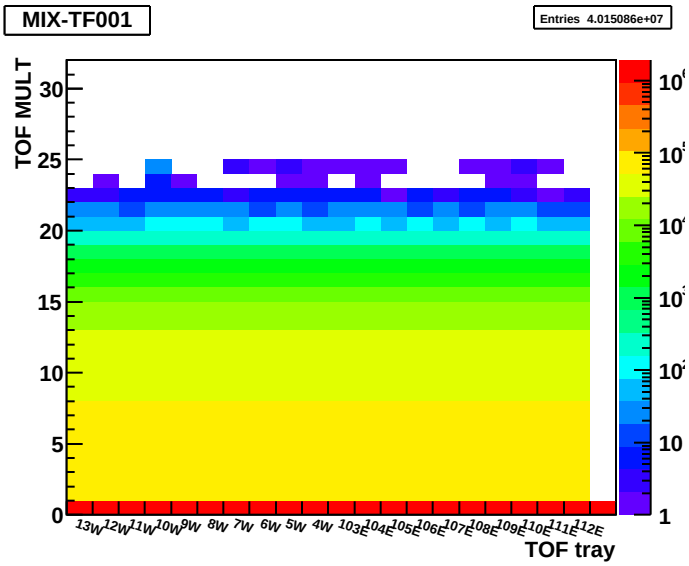

Barrel EMC L0 Input - Patch Sum
Entries 2.867919e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

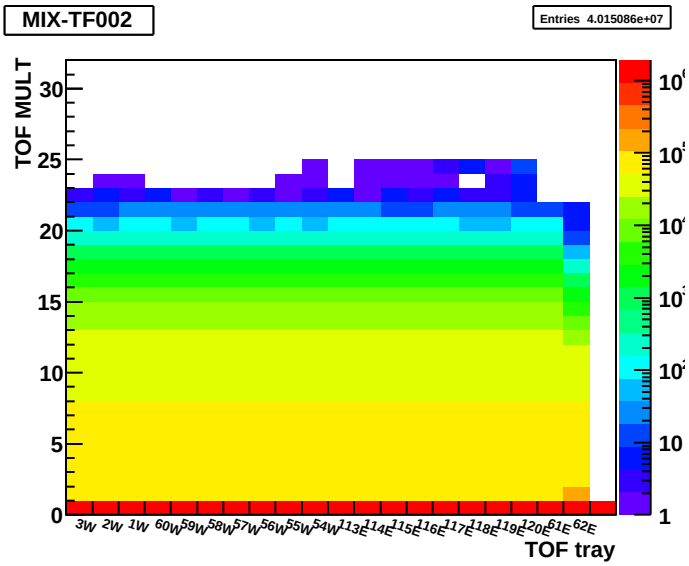

Endcap EMC L0 Input - High Tower
Entries 8.603757e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

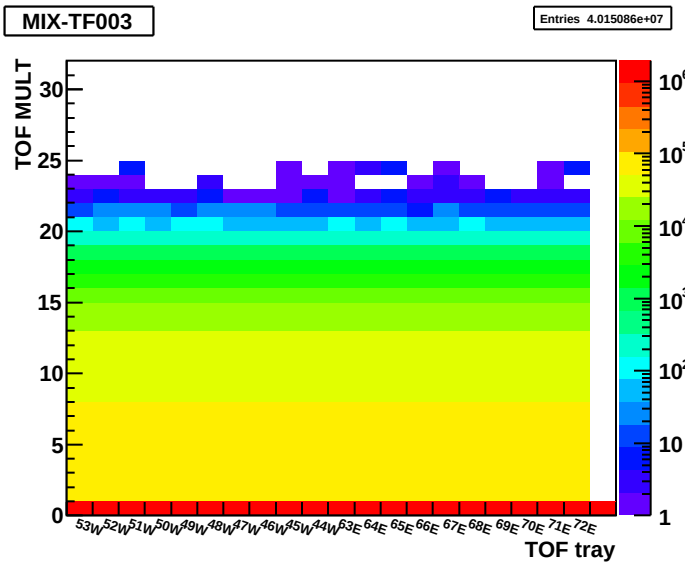

Endcap EMC L0 Input - Patch Sum
Entries 8.603757e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

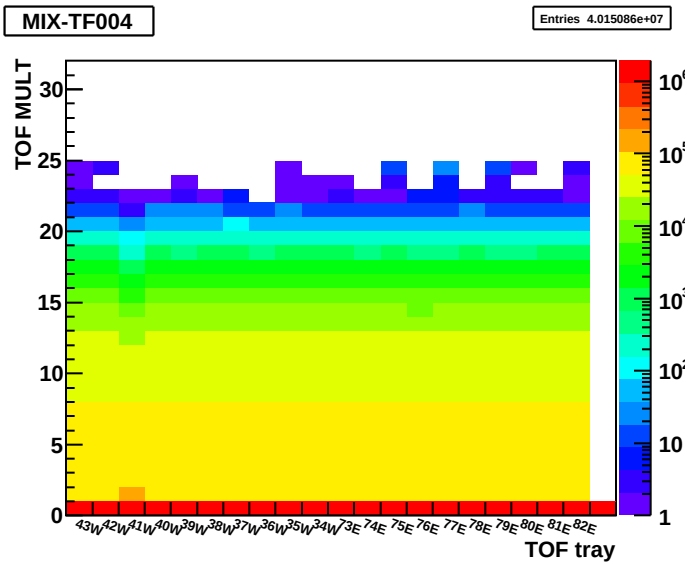

Barrel Jet Patches
Entries 1.720751e+07
JP ADC
JP ID

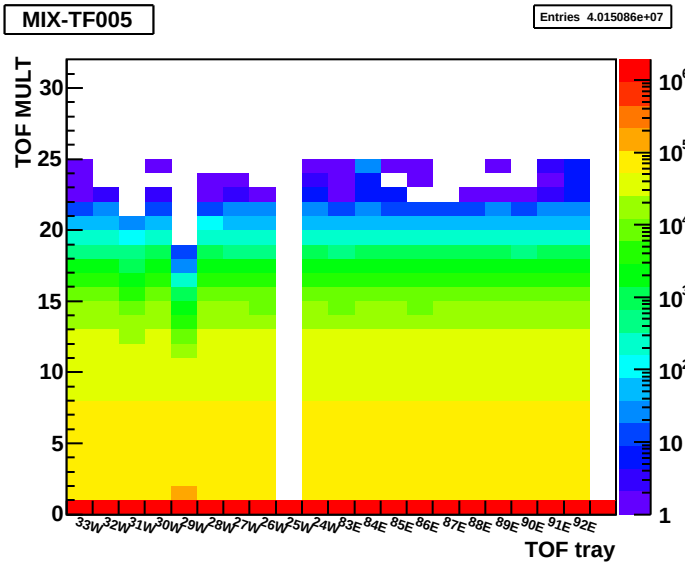

Hybrid Jet Patches
Entries 1911946
JP ADC
JP ID

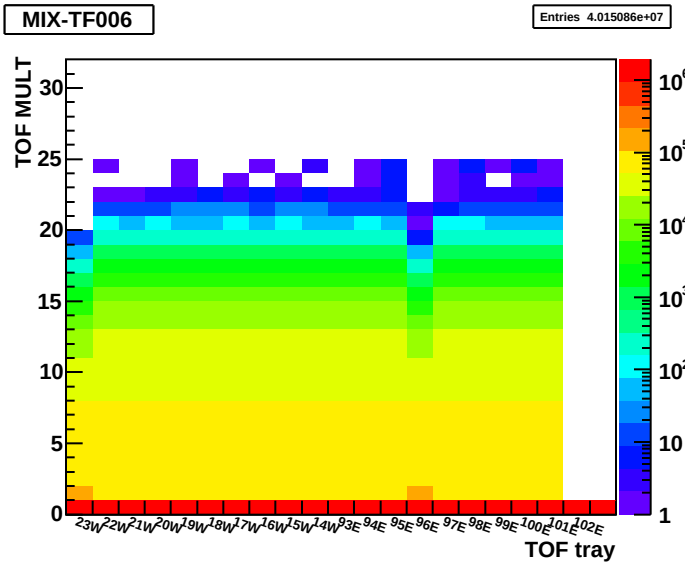

MIX-TF001
Entries 4.015086e+07
TOF MULT
TOF tray

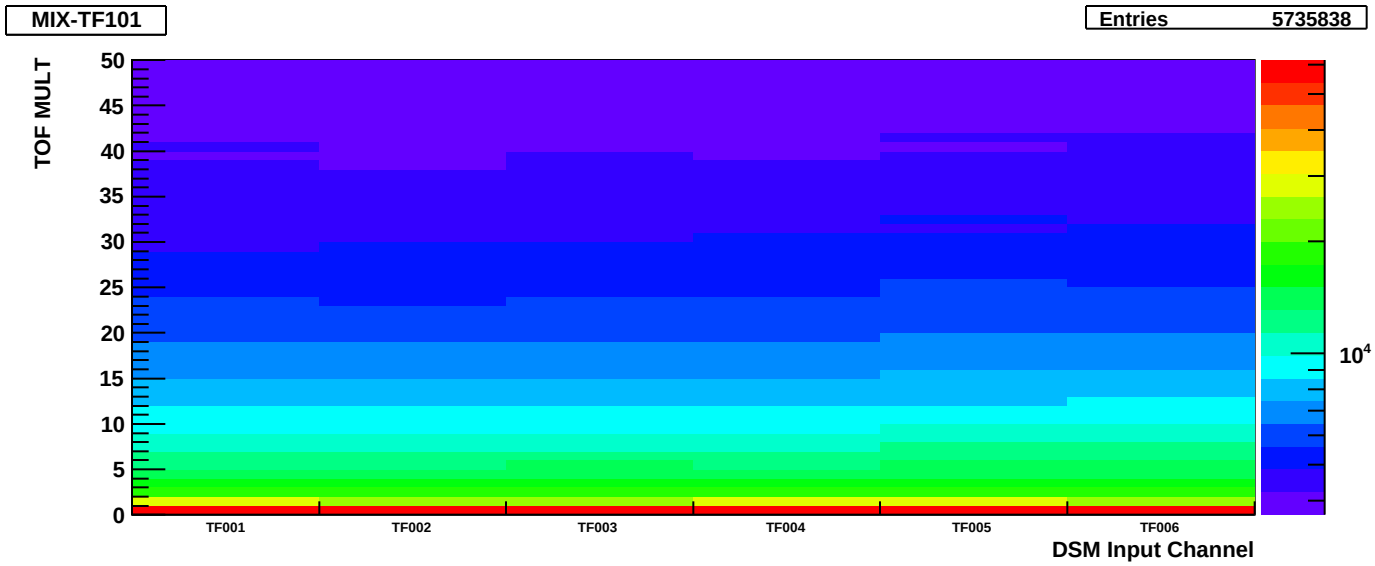

MIX-TF002
Entries 4.015086e+07
TOF MULT
TOF tray

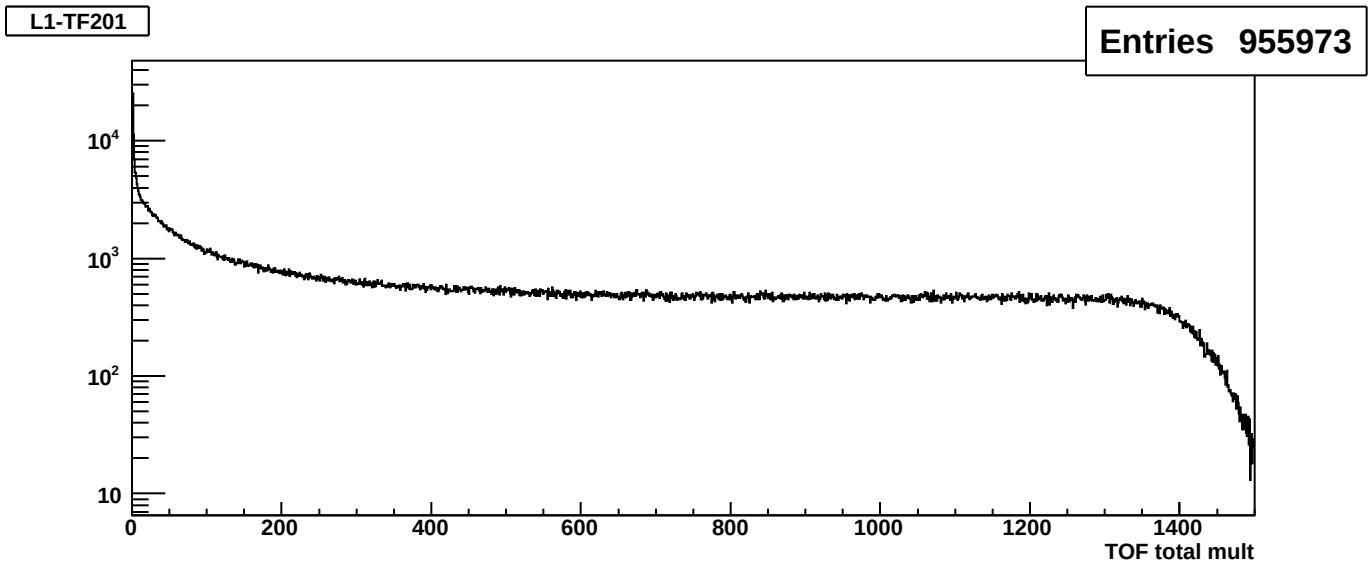

MIX-TF003
Entries 4.015086e+07
TOF MULT
TOF tray

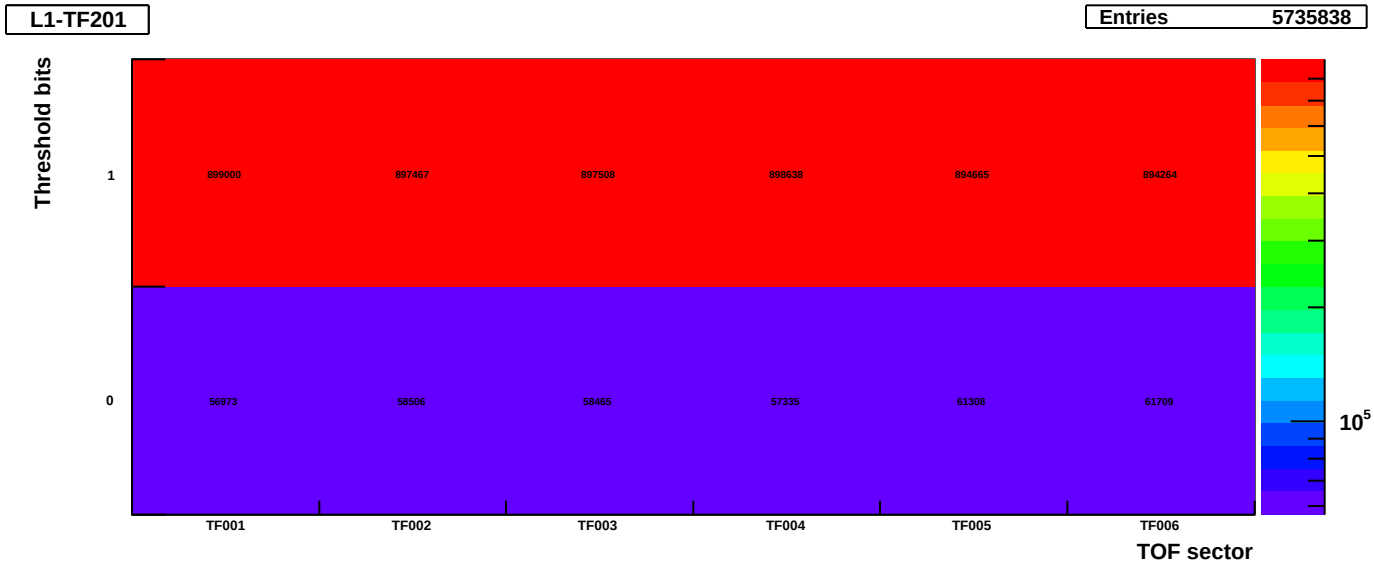

MIX-TF004
Entries 4.015086e+07
TOF MULT
TOF tray

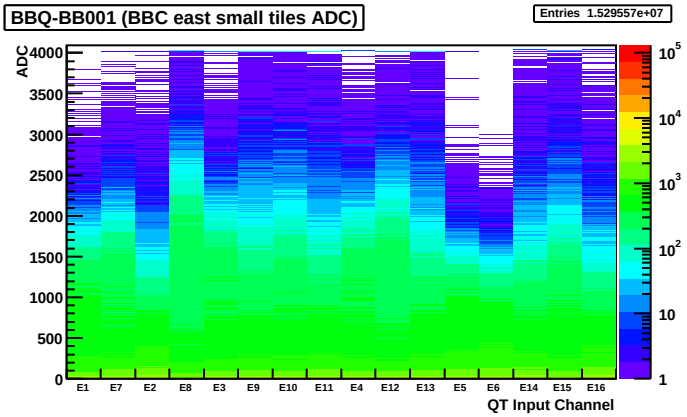

MIX-TF005
Entries 4.015086e+07
TOF MULT
TOF tray

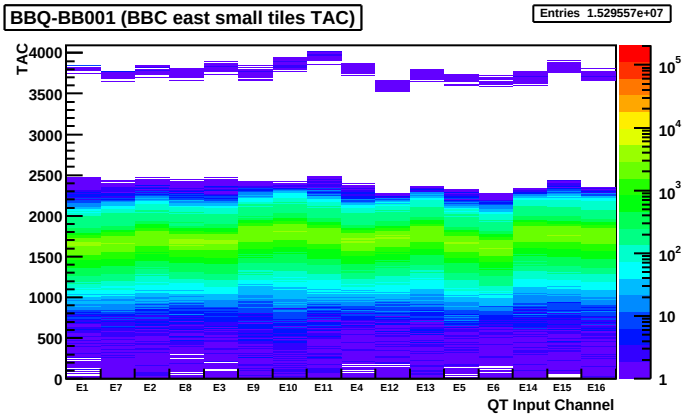

MIX-TF006
Entries 4.015086e+07
TOF MULT
TOF tray

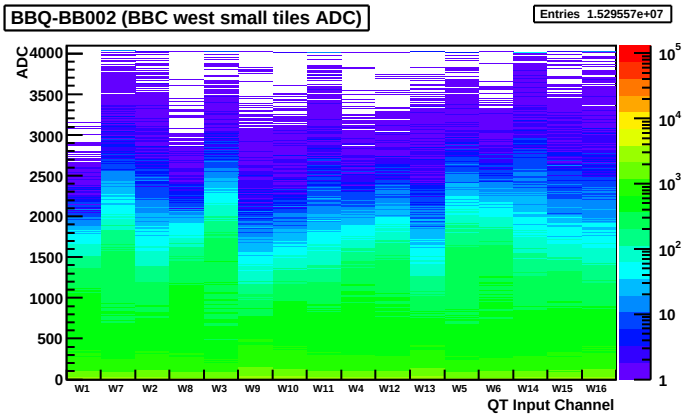

MIX-TF101
Entries 5735838
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

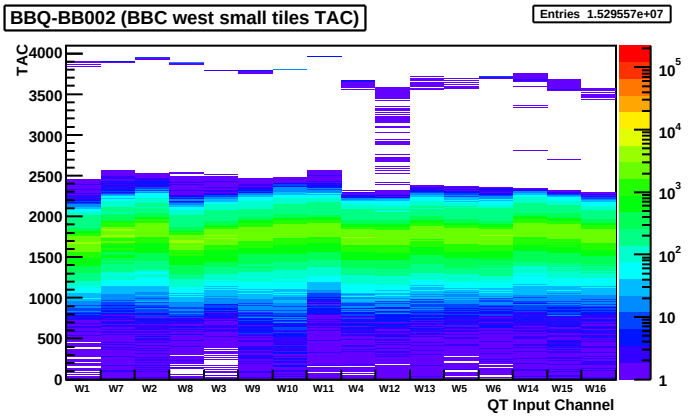

L1-TF201
Entries 955973
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

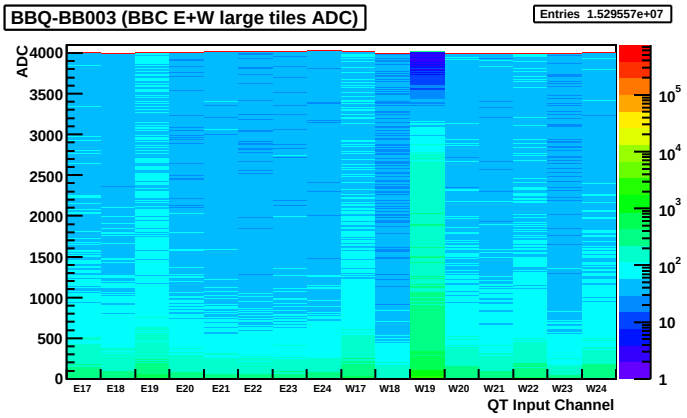

L1-TF201
Entries 5735838
Threshold bits
1
0
899000
897467
897508
898638
894665
894264
56973
58506
58465
57335
61308
61709
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

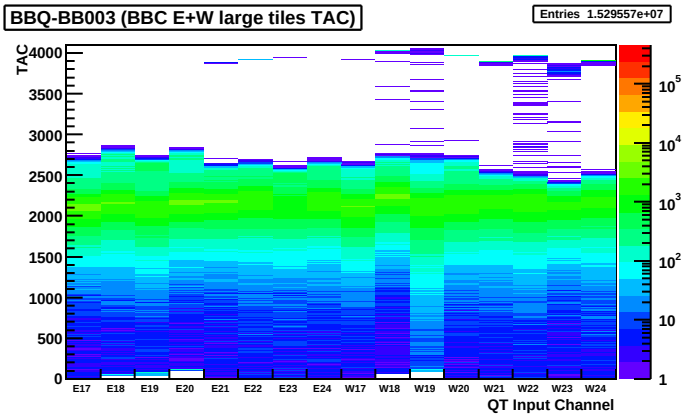

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.529557e+07
ADC
QT Input Channel

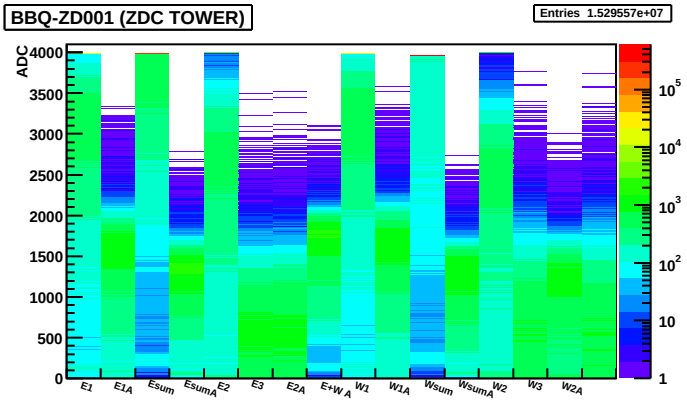

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.529557e+07
TAC
QT Input Channel

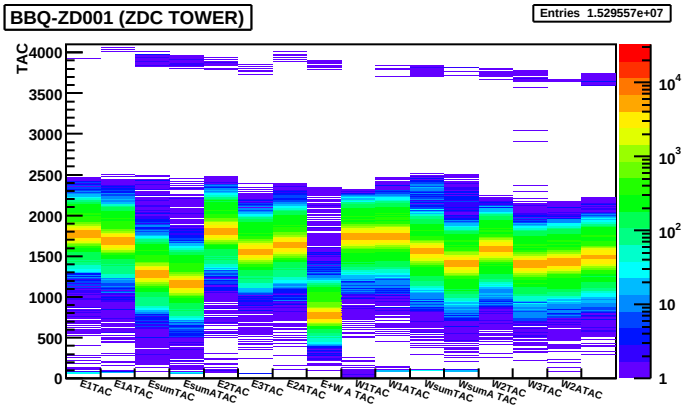

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.529557e+07
ADC
QT Input Channel

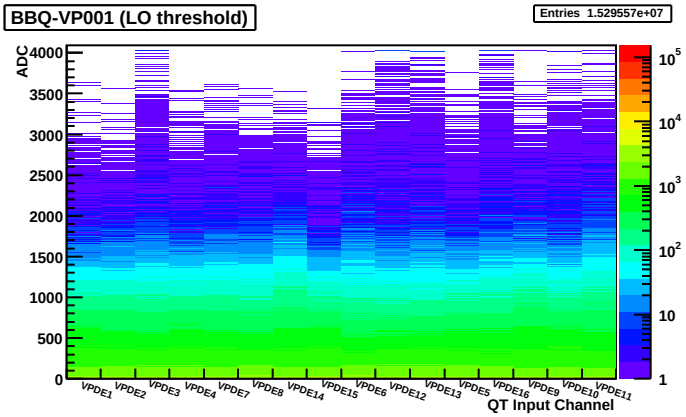

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.529557e+07
TAC
QT Input Channel

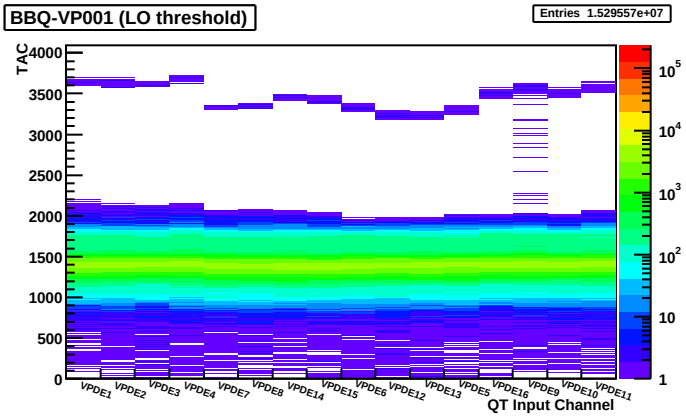

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.529557e+07
ADC
QT Input Channel

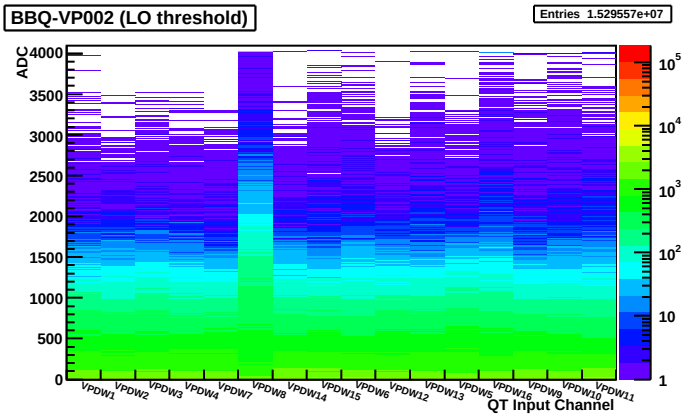

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.529557e+07
TAC
QT Input Channel

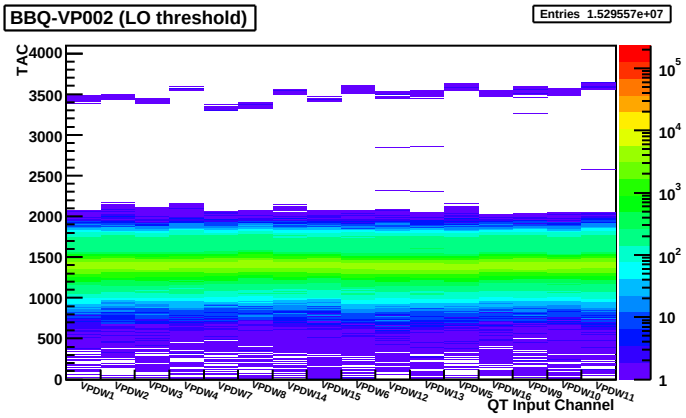

BBQ-ZD001 (ZDC TOWER)
Entries 1.529557e+07
ADC

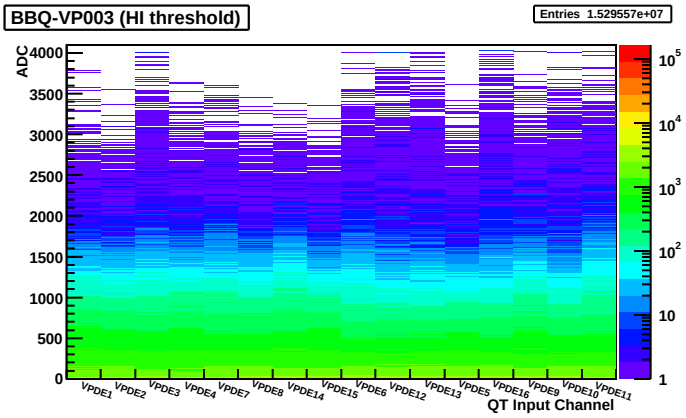

BBQ-ZD001 (ZDC TOWER)
Entries 1.529557e+07
TAC

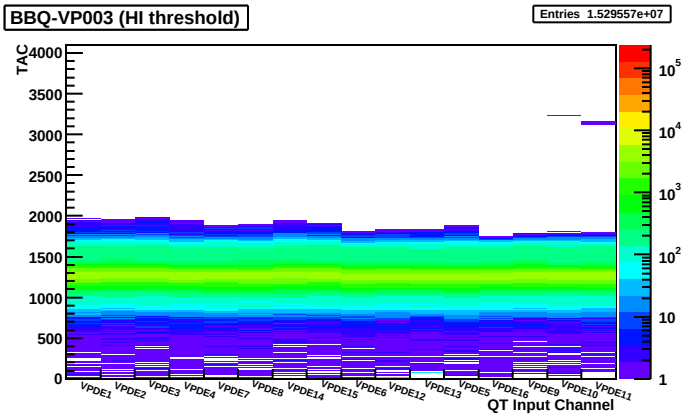

BBQ-VP001 (LO threshold)
Entries 1.529557e+07
ADC
QT Input Channel

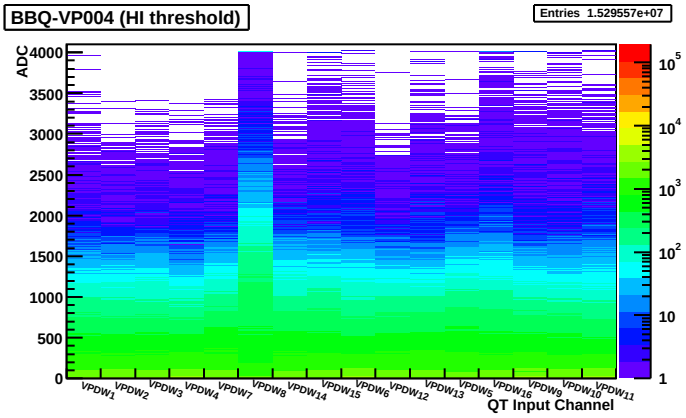

BBQ-VP001 (LO threshold)
Entries 1.529557e+07
TAC
QT Input Channel

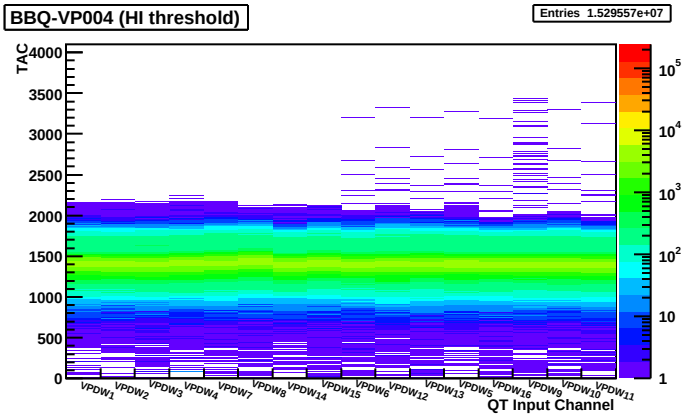

BBQ-VP002 (LO threshold)
Entries 1.529557e+07
ADC
QT Input Channel

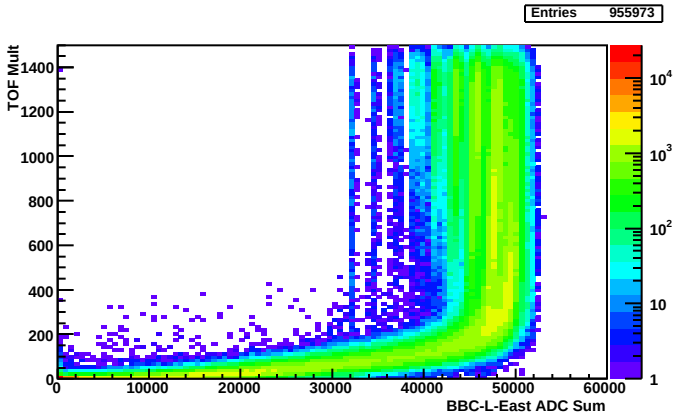

BBQ-VP002 (LO threshold)
Entries 1.529557e+07
TAC
QT Input Channel

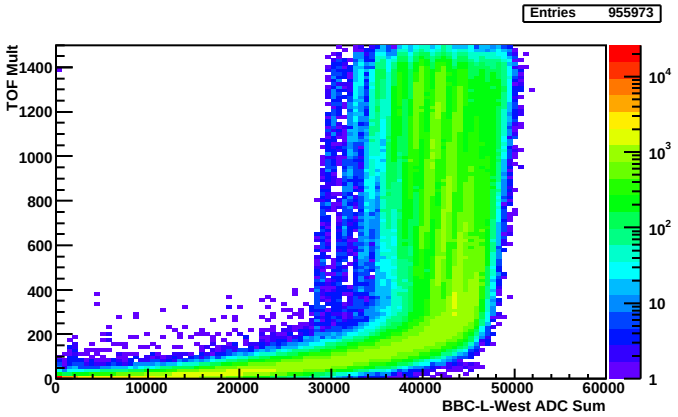

BBQ-VP003 (HI threshold)
Entries 1.529557e+07
ADC
QT Input Channel

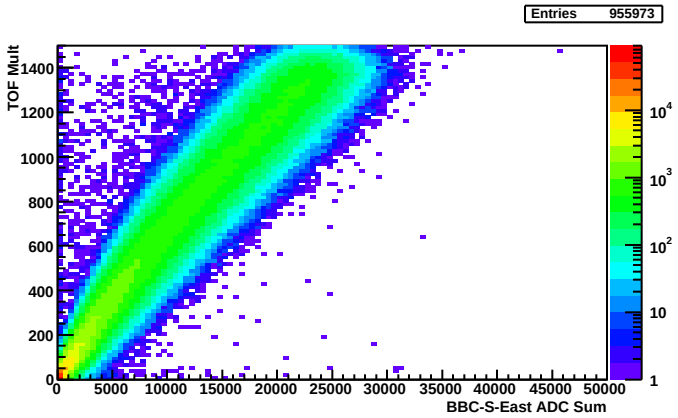

BBQ-VP003 (HI threshold)
Entries 1.529557e+07
TAC
QT Input Channel

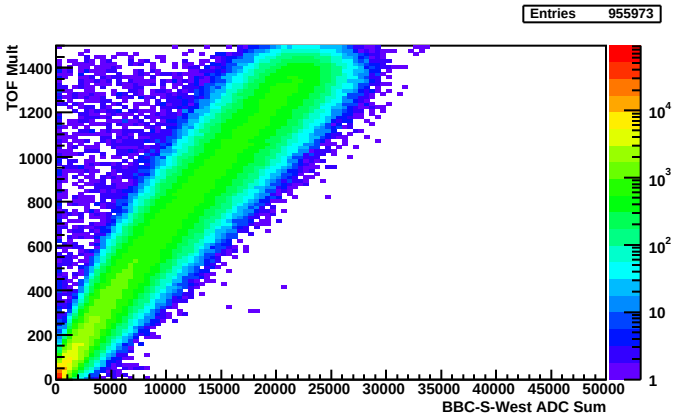

BBQ-VP004 (HI threshold)
Entries 1.529557e+07
ADC
QT Input Channel

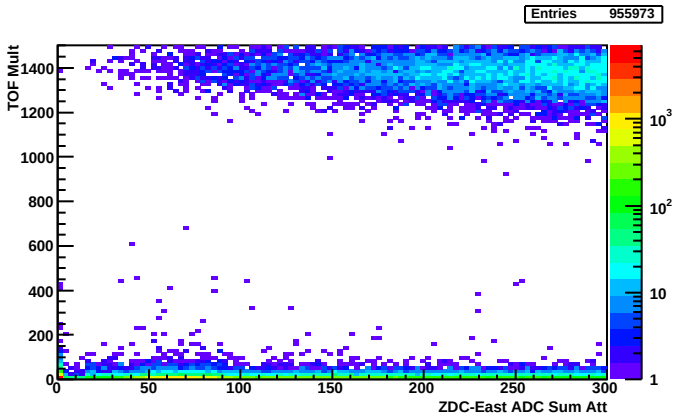

BBQ-VP004 (HI threshold)
Entries 1.529557e+07
TAC
QT Input Channel

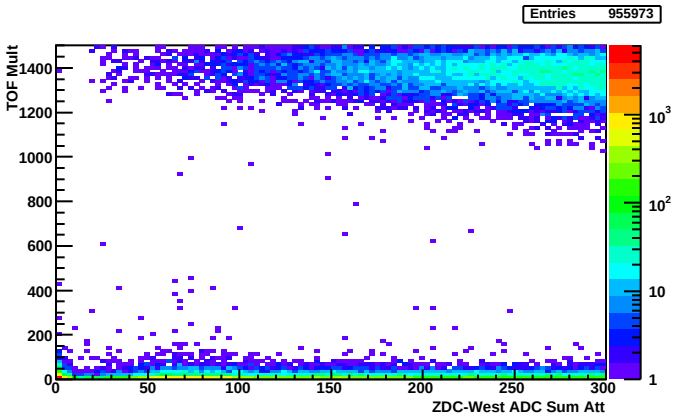

Entries 955973
TOF Mult
BBC-L-East ADC Sum

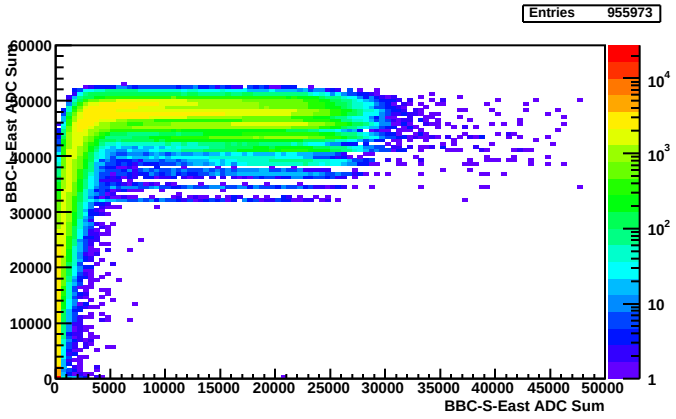

Entries 955973
TOF Mult
BBC-L-West ADC Sum

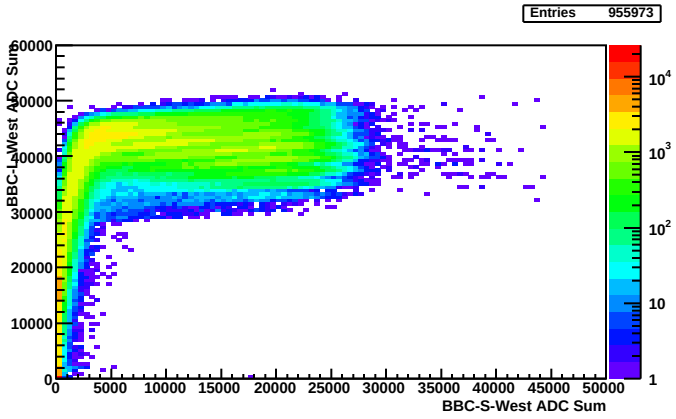

Entries 955973
TOF Mult
BBC-S-East ADC Sum

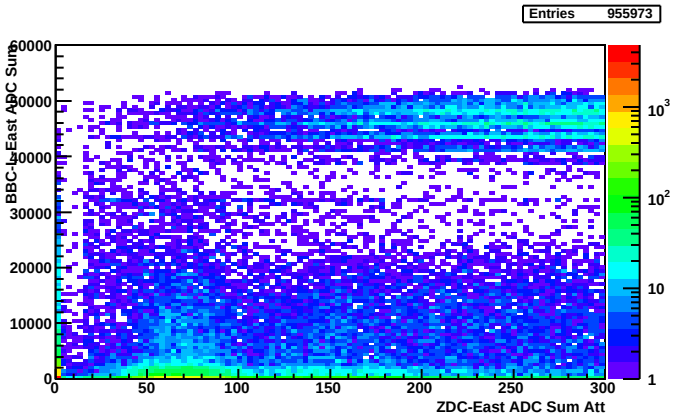

Entries 955973
TOF Mult
BBC-S-West ADC Sum

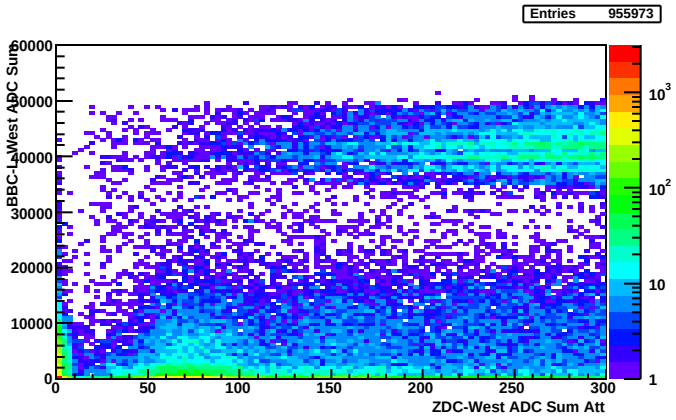

Entries 955973
TOF Mult
ZDC-East ADC Sum Att

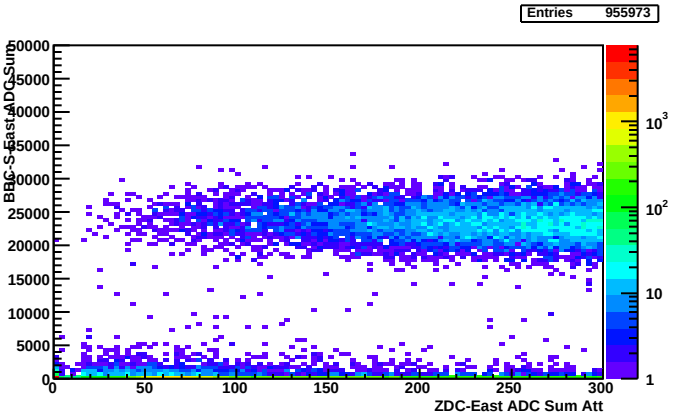

Entries 955973
TOF Mult
ZDC-West ADC Sum Att

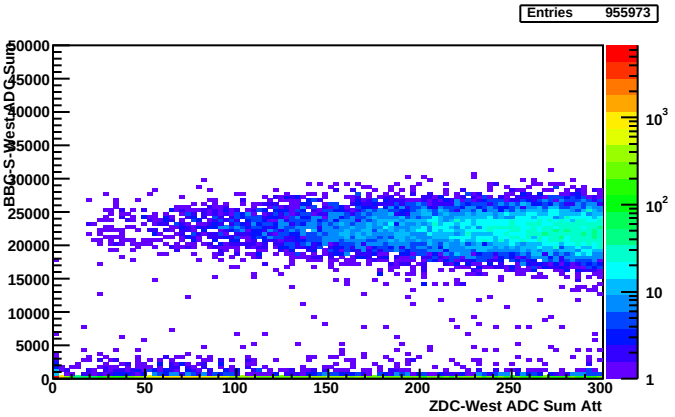

Entries 955973
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 955973
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 955973
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 955973
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 955973
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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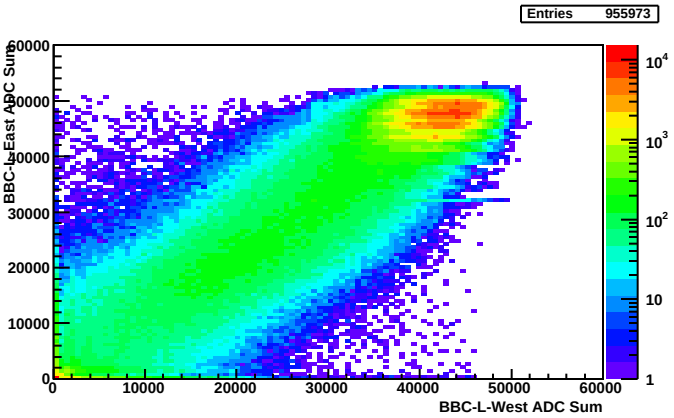
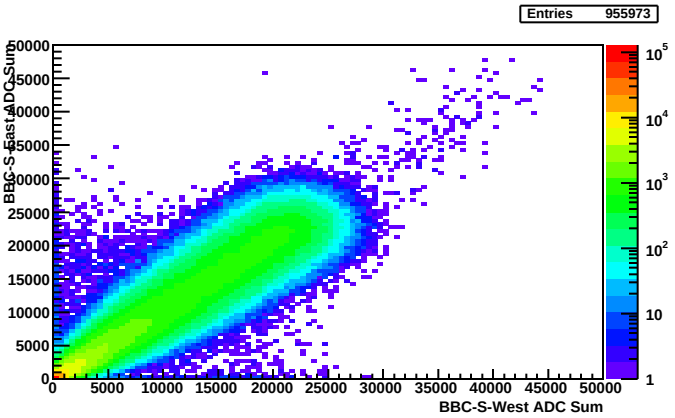
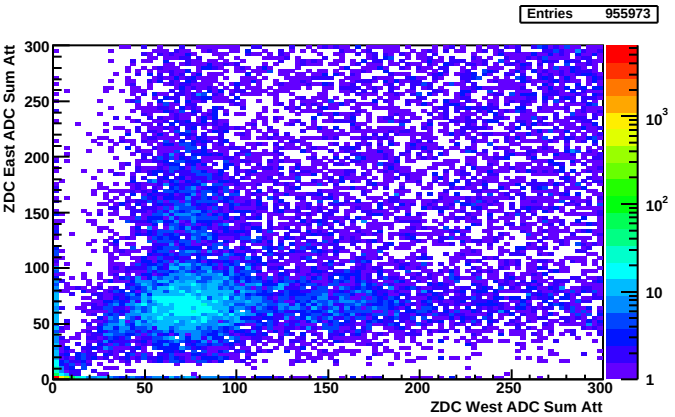
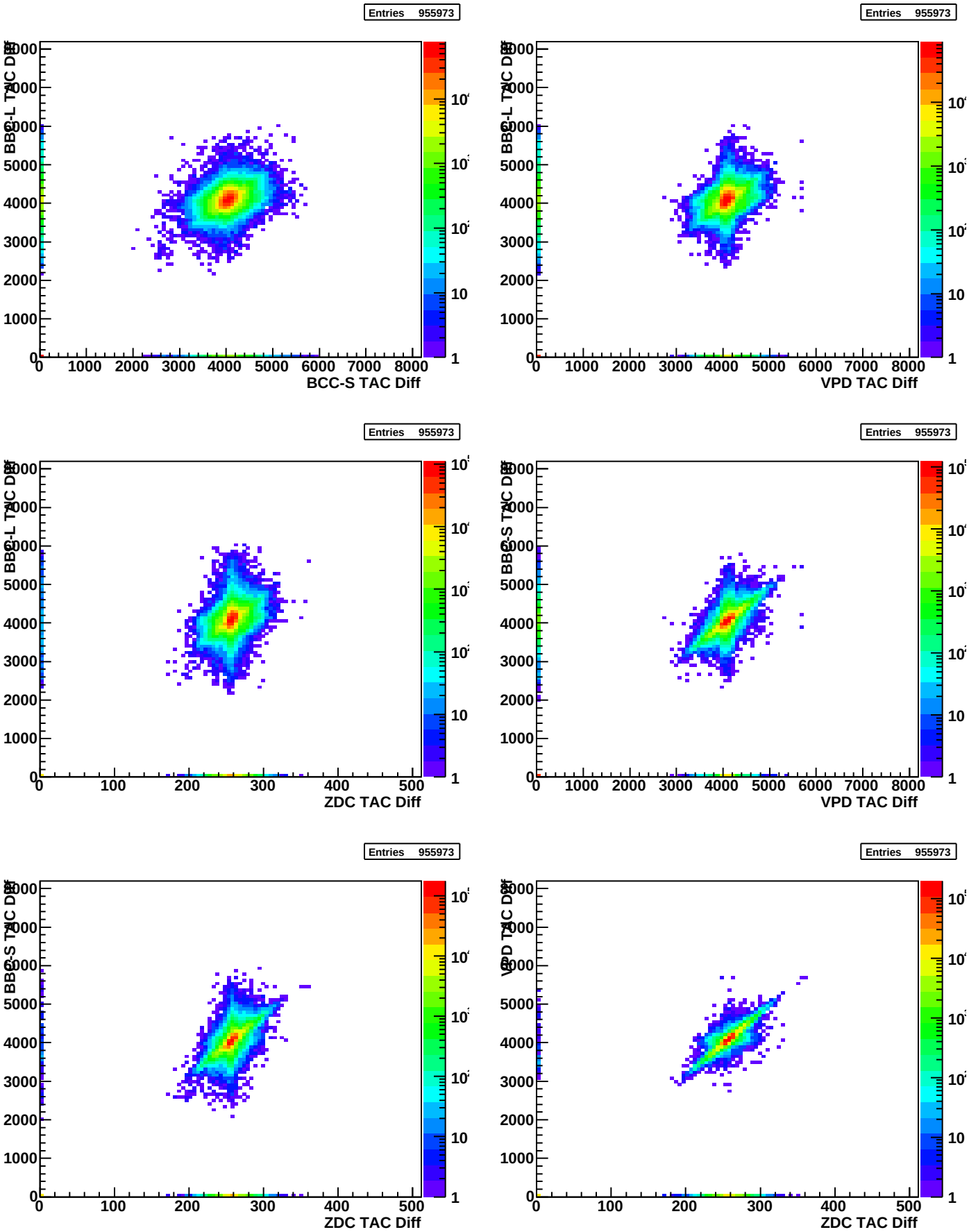
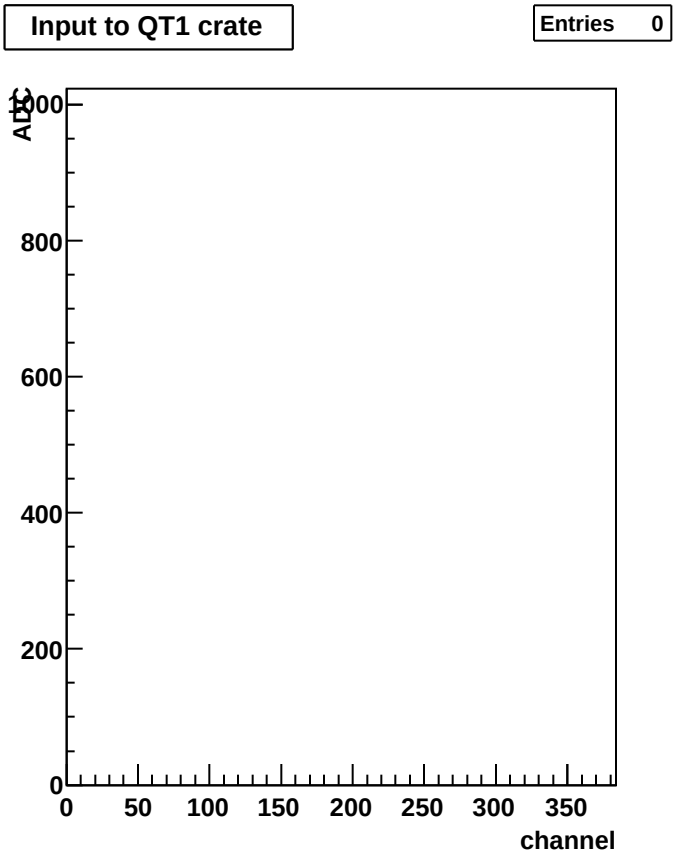
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

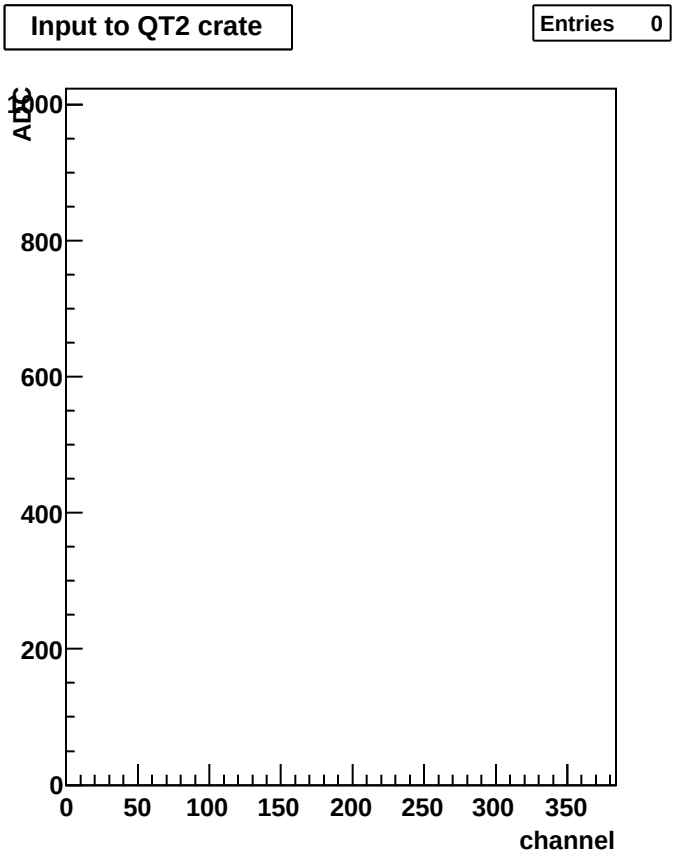

Entries 955973
BBC-L-East ADC Sum
BBC-L-West ADC Sum

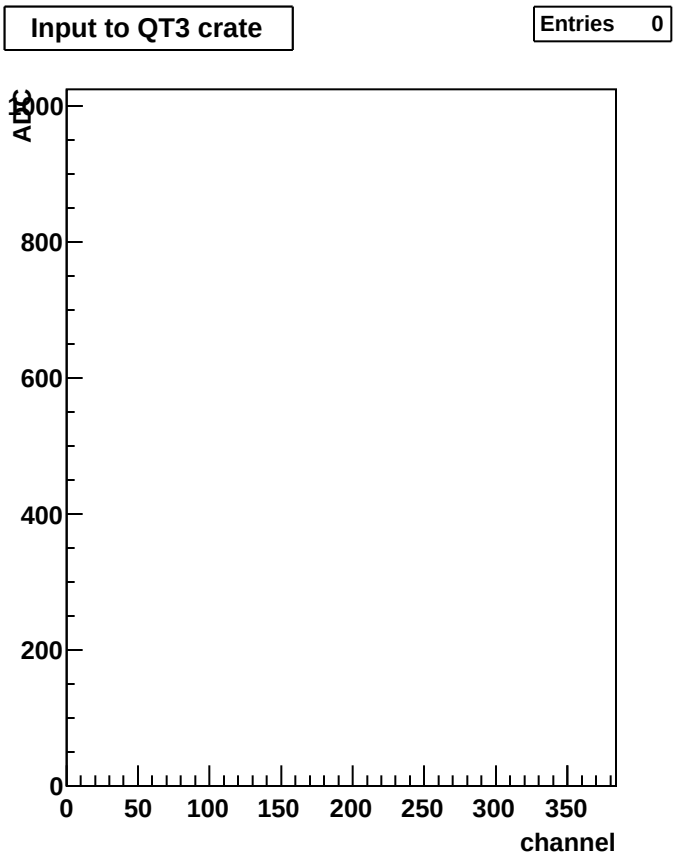

Entries 955973
BBC-S-East ADC Sum
BBC-S-West ADC Sum

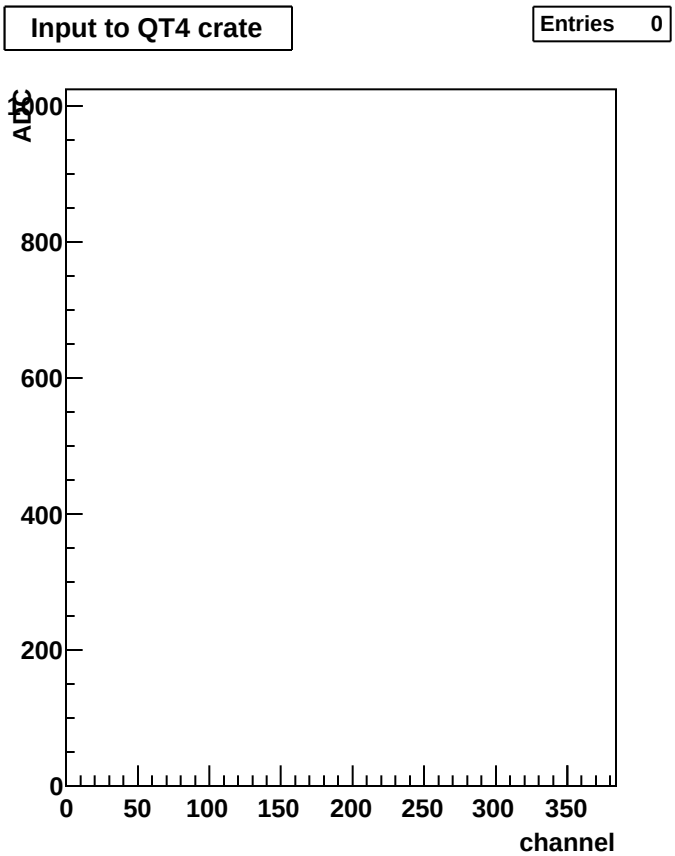

Entries 955973
ZDC East ADC Sum Att
ZDC West ADC Sum Att

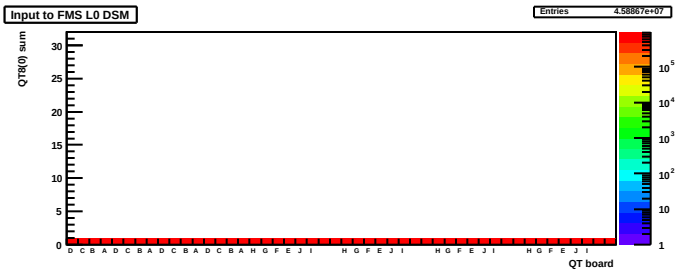

Entries 955973
BBC-L TAC Diff
BCC-S TAC Diff
Entries 955973
BBC-L TAC Diff
VPD TAC Diff
Entries 955973
BBC-L TAC Diff
ZDC TAC Diff
Entries 955973
BBC-S TAC Diff
VPD TAC Diff
Entries 955973
BBC-S TAC Diff
ZDC TAC Diff
Entries 955973
VPD TAC Diff
ZDC TAC Diff

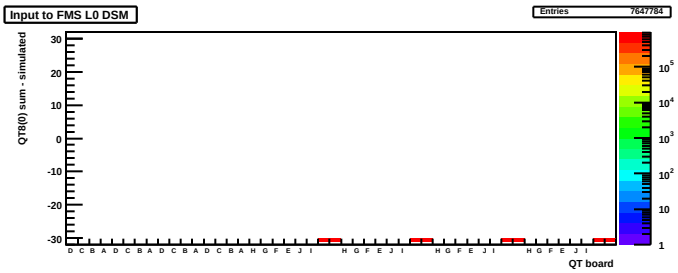

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

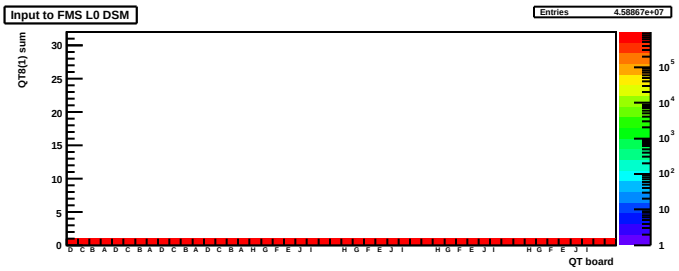

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

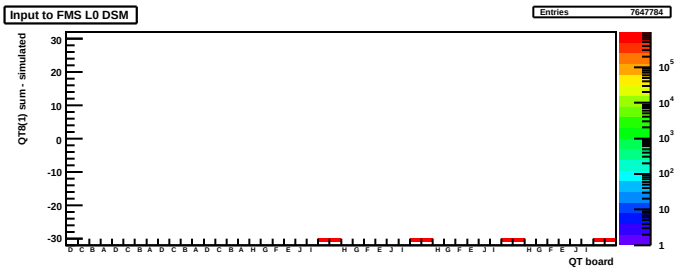

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

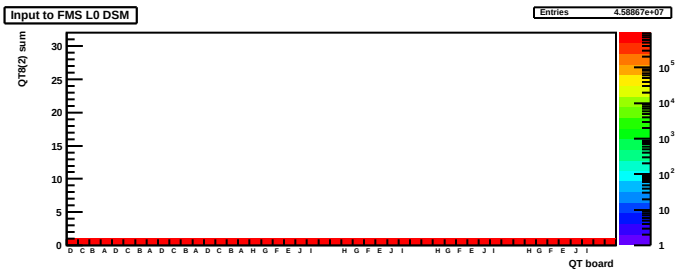

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

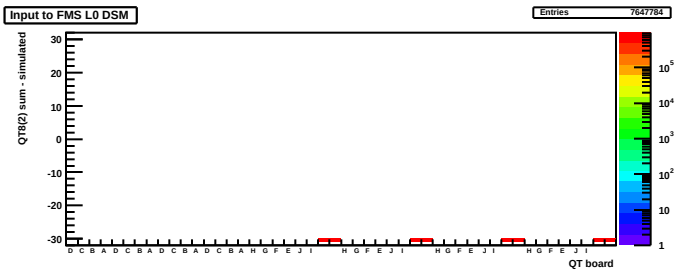

Input to FMS L0 DSM
Entries 4.58867e+07
QT8(0) sum
QT board

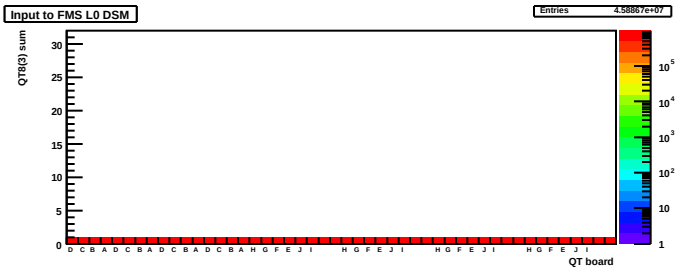

Input to FMS L0 DSM
Entries 7647784
QT8(0) sum - simulated
QT board

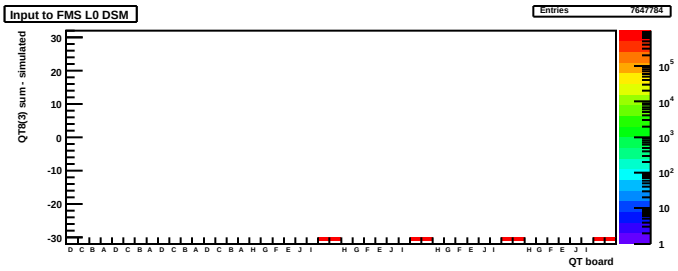

Input to FMS L0 DSM
Entries 4.58867e+07
QT8(1) sum
QT board

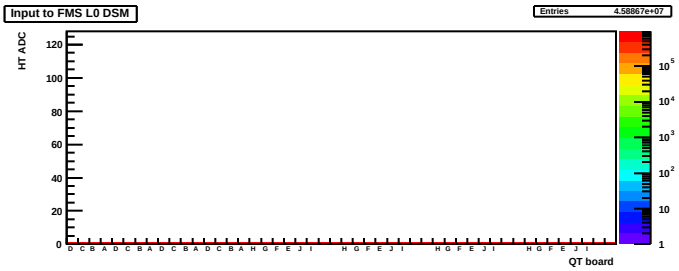

Input to FMS L0 DSM
Entries 7647784
QT8(1) sum - simulated
QT board

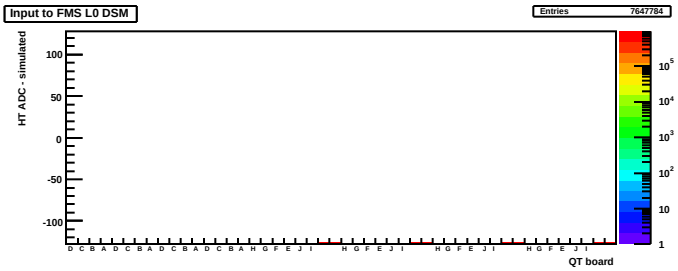

Input to FMS L0 DSM
Entries 4.58867e+07
QT8(2) sum
QT board

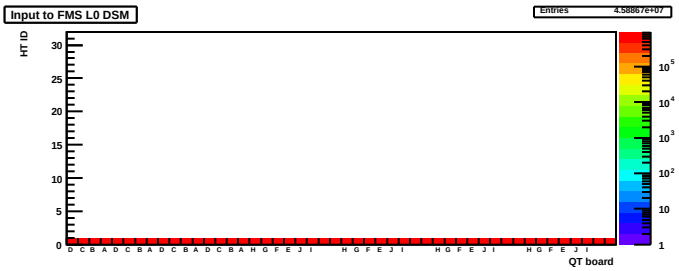

Input to FMS L0 DSM
Entries 7647784
QT8(2) sum - simulated
QT board

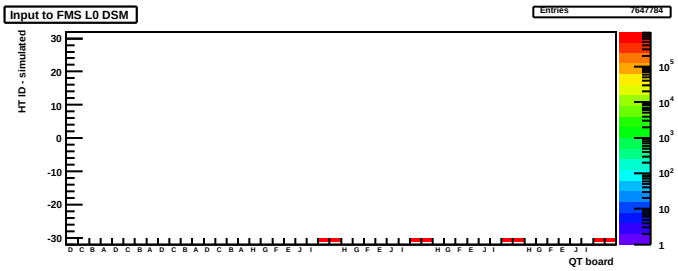

Input to FMS L0 DSM
Entries 4.58867e+07
QT8(3) sum
QT board

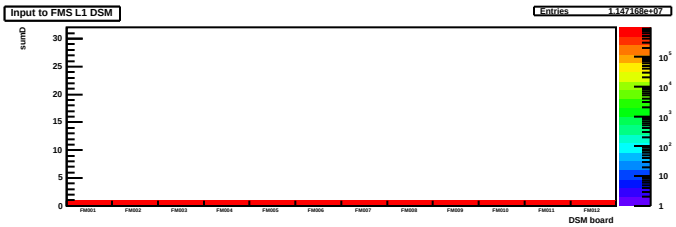

Input to FMS L0 DSM
Entries 7647784
QT8(3) sum - simulated
QT board

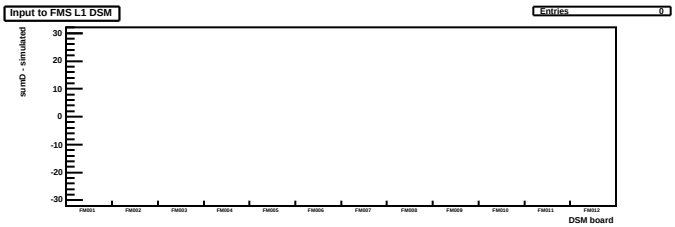

Input to FMS L0 DSM
Entries 4.58867e+07
HT ADC
QT board

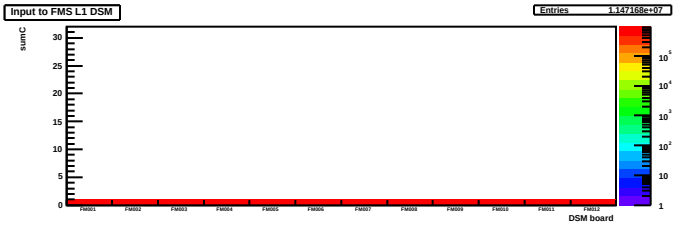

Input to FMS L0 DSM
Entries 7647784
HT ADC - simulated
QT board

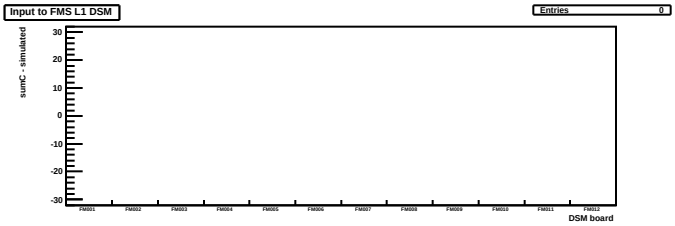

Input to FMS L0 DSM
Entries 4.58867e+07
HT ID
QT board

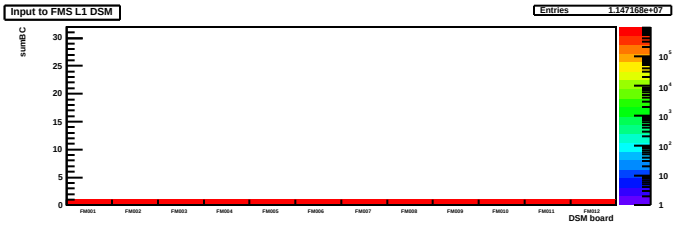

Input to FMS L0 DSM
Entries 7647784
HT ID - simulated
QT board

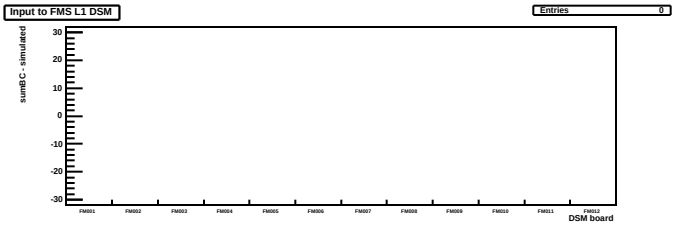

Input to FMS L1 DSM
Entries 1.147168e+07
sumD
DSM board

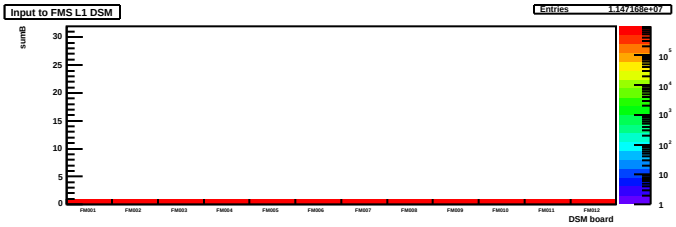

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

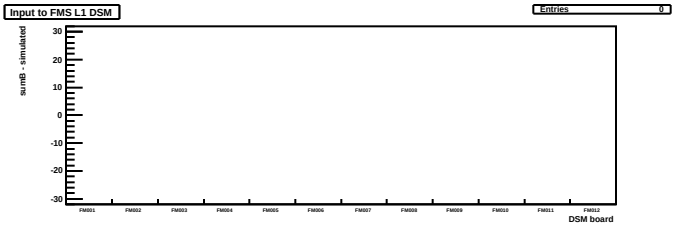

Input to FMS L1 DSM
Entries 1.147168e+07
sumC
DSM board

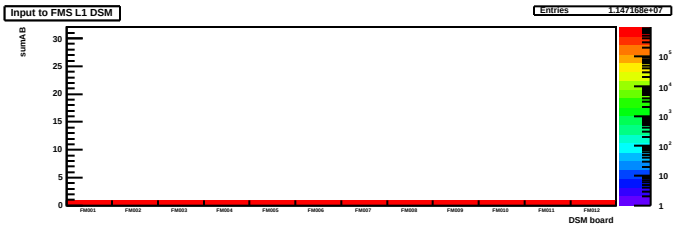

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

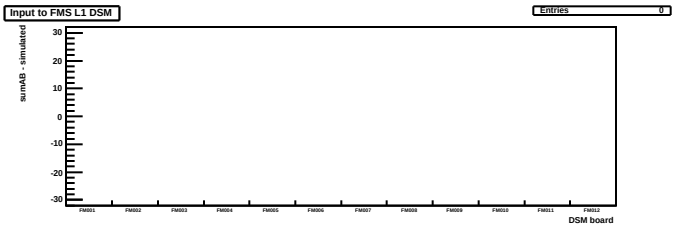

Input to FMS L1 DSM
Entries 1.147168e+07
sumBC
DSM board

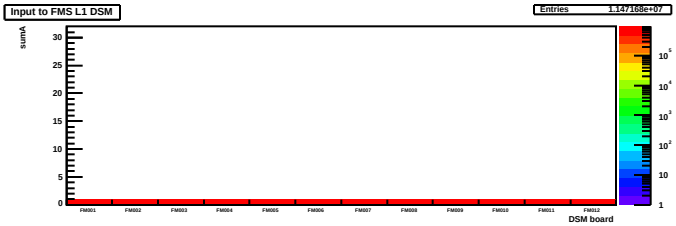

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

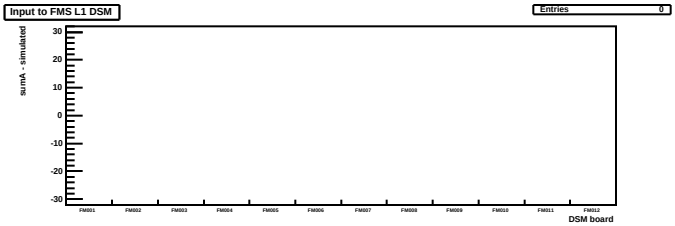

Input to FMS L1 DSM
Entries 1.147168e+07
sumB
DSM board

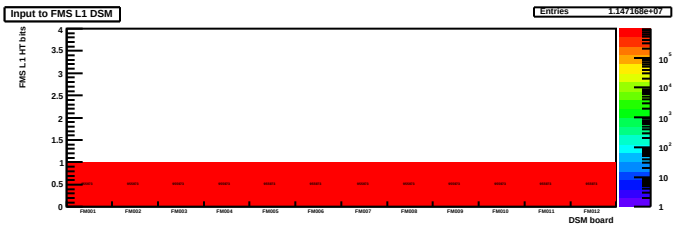

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

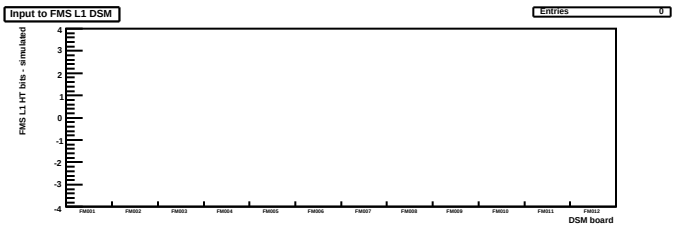

Input to FMS L1 DSM
Entries 1.147168e+07
sumAB
DSM board

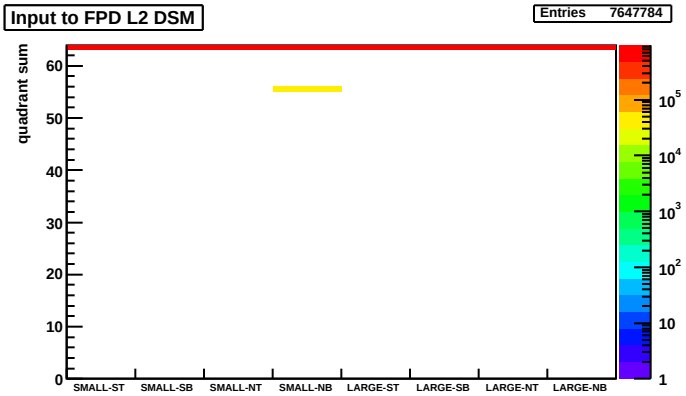

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

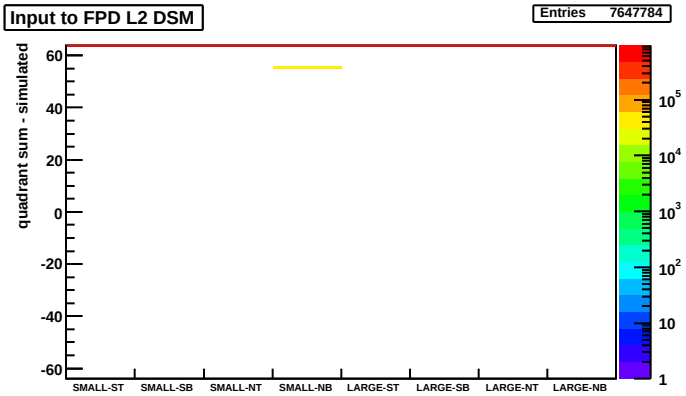

Input to FMS L1 DSM
Entries 1.147168e+07
sumA
DSM board

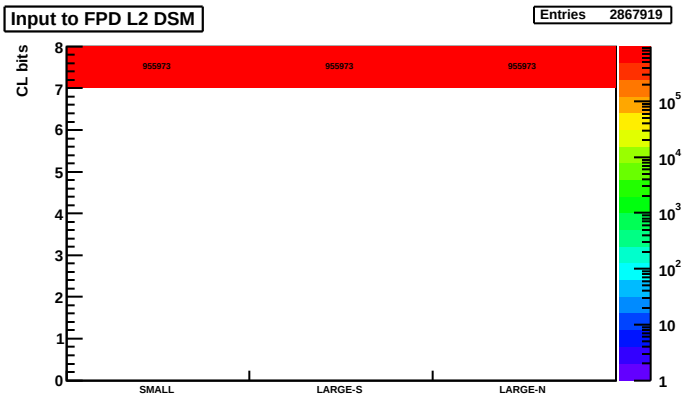

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

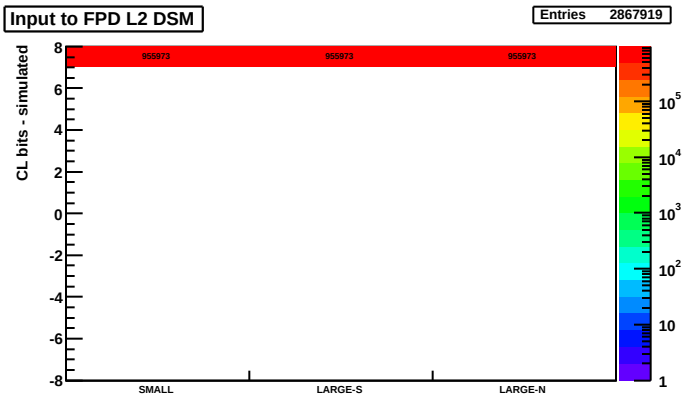

Input to FMS L1 DSM
Entries 1.147168e+07
FMS L1 HT bits
DSM board

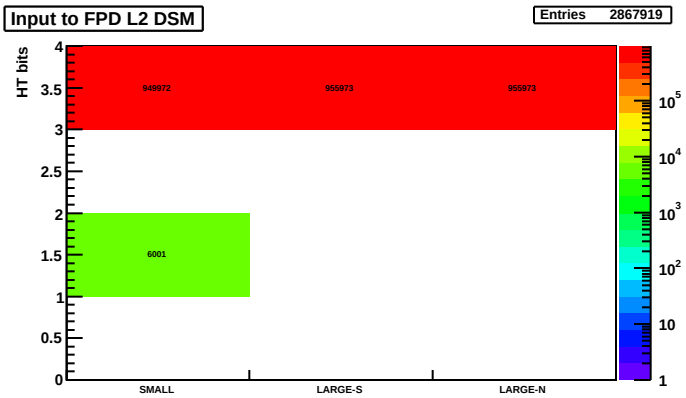

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

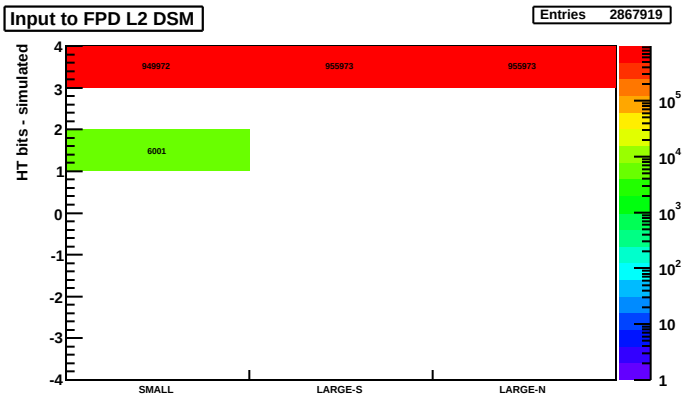

Input to FPD L2 DSM
Entries 7647784
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

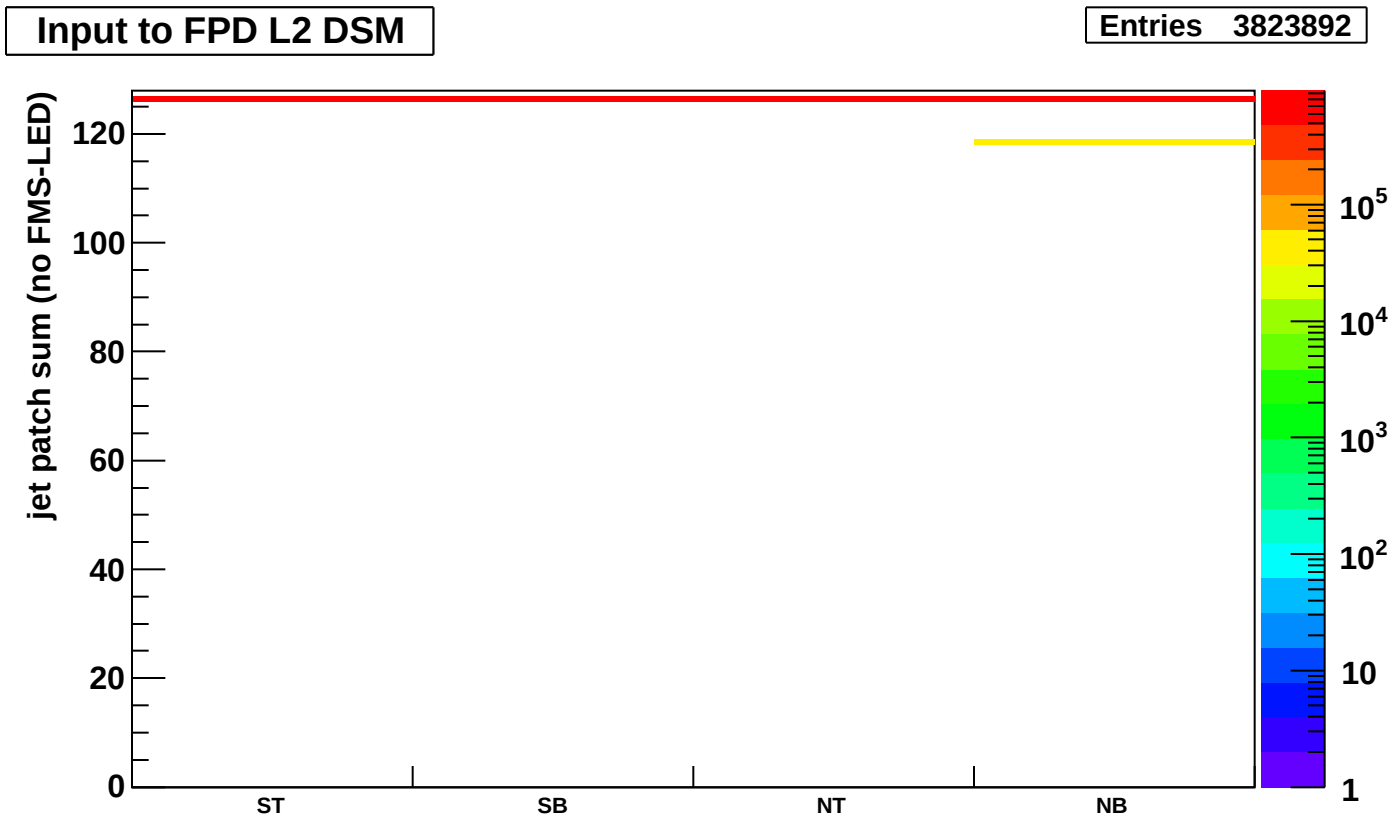

Input to FPD L2 DSM
Entries 7647784
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

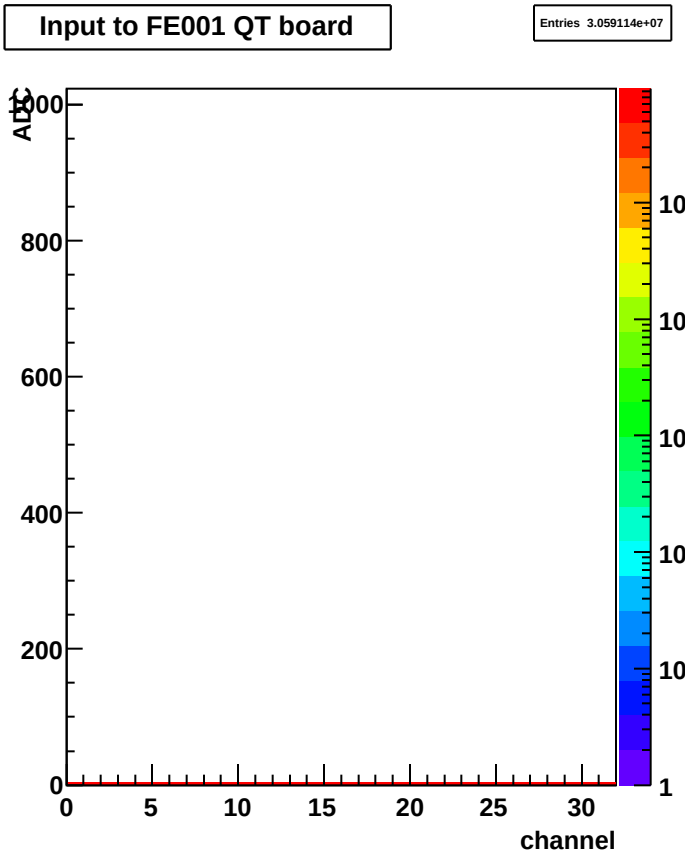

Input to FPD L2 DSM
Entries 2867919
CL bits
955973
955973
955973
SMALL
LARGE-S
LARGE-N

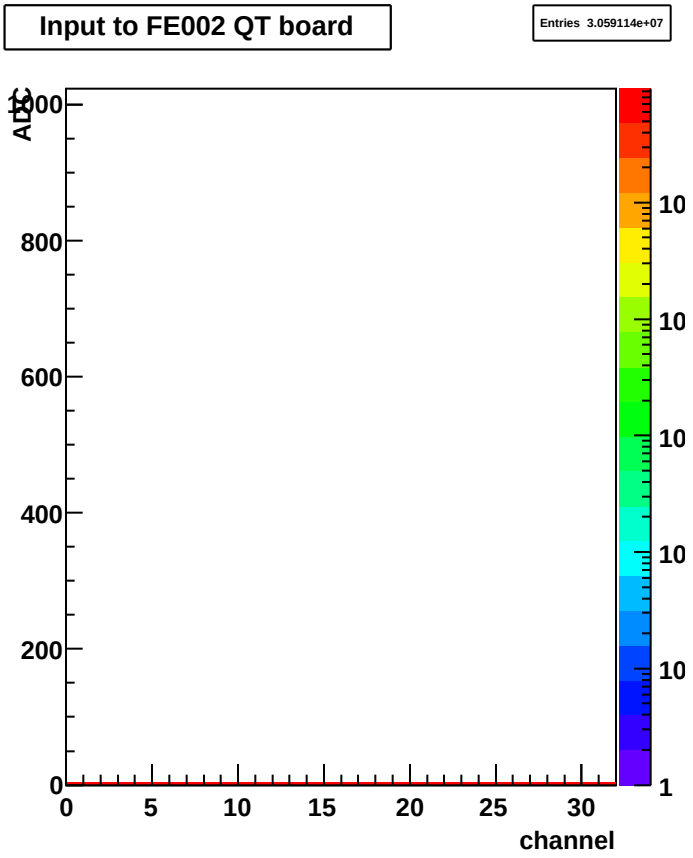

Input to FPD L2 DSM
Entries 2867919
CL bits - simulated
955973
955973
955973
SMALL
LARGE-S
LARGE-N

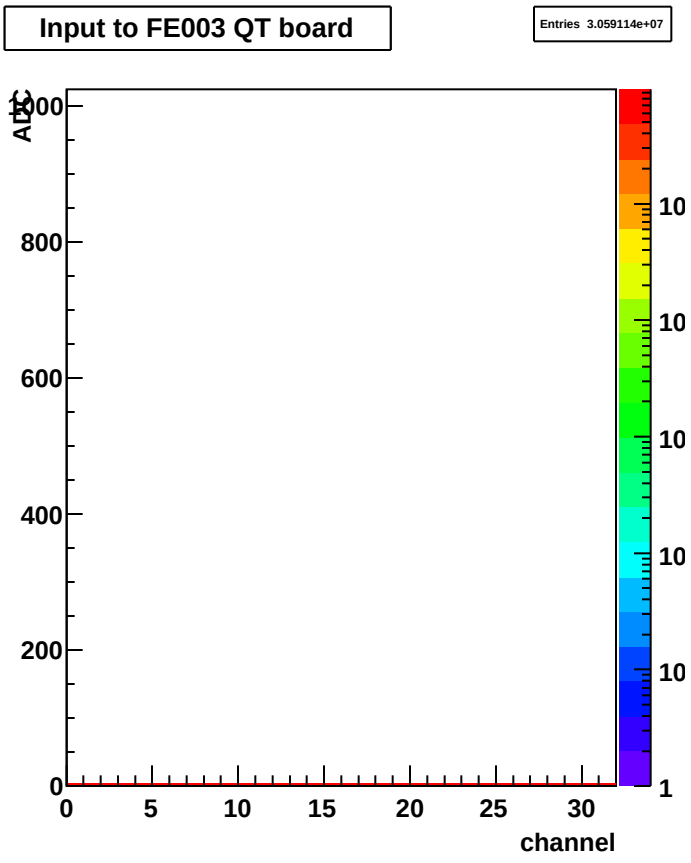

Input to FPD L2 DSM
Entries 2867919
HT bits
949972
955973
955973
6001
SMALL
LARGE-S
LARGE-N

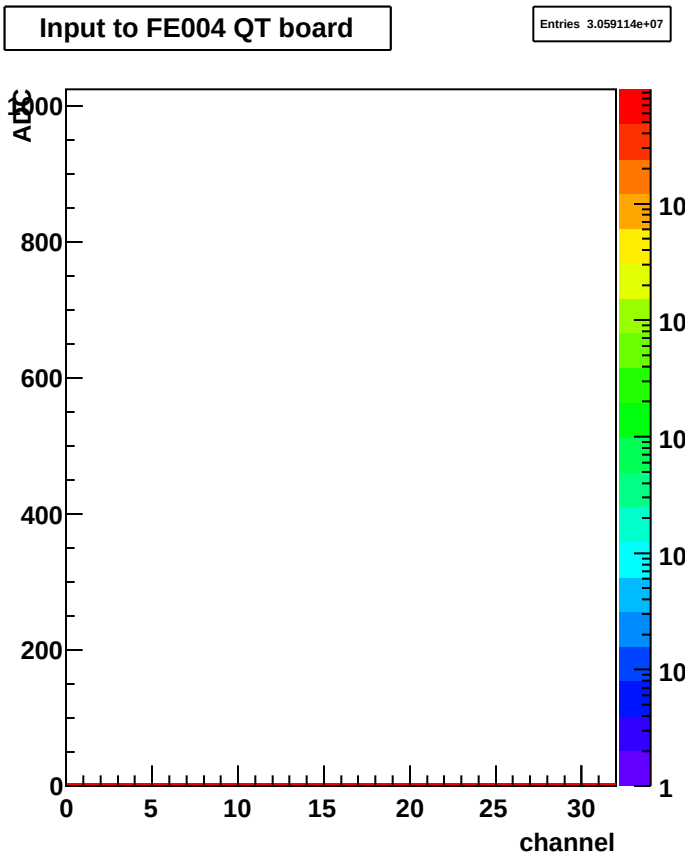

Input to FPD L2 DSM
Entries 2867919
HT bits - simulated
949972
955973
955973
6001
SMALL
LARGE-S
LARGE-N

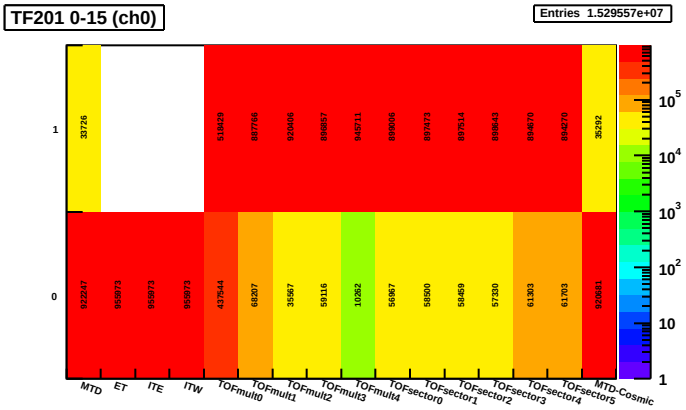

Input to FPD L2 DSM
Entries 3823892
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

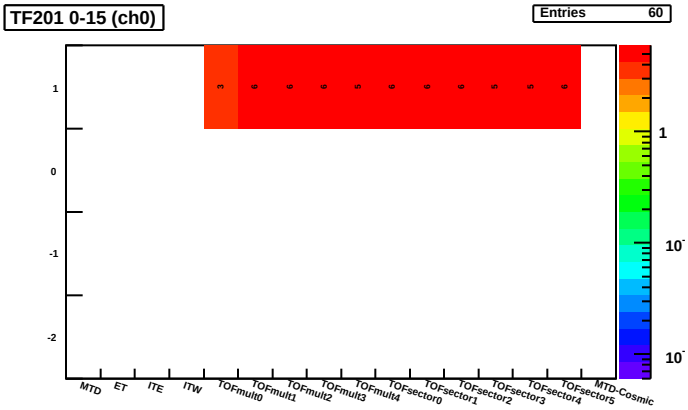

Input to FE001 QT board
Entries 3.059114e+07
ADC
channel

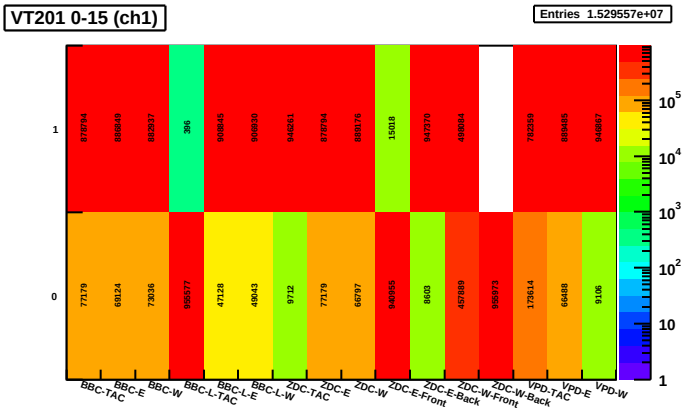

Input to FE002 QT board
Entries 3.059114e+07
ADC
channel

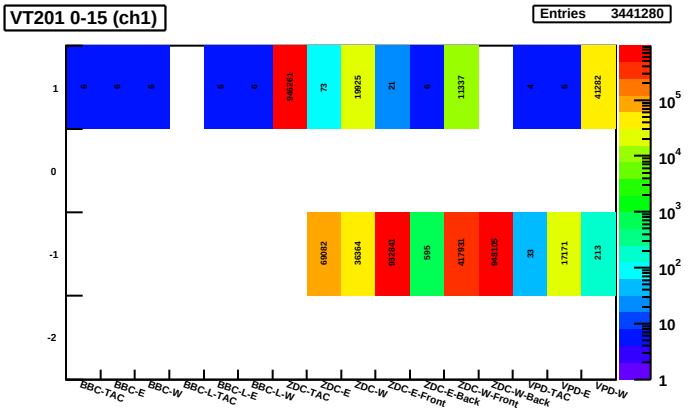

Input to FE003 QT board
Entries 3.059114e+07
ADC
channel

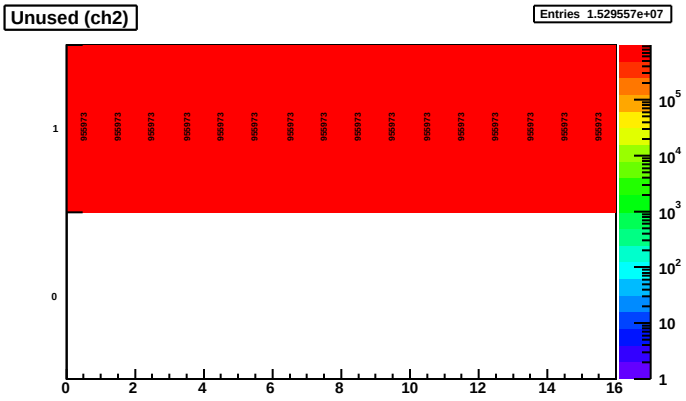

Input to FE004 QT board
Entries 3.059114e+07
ADC
channel

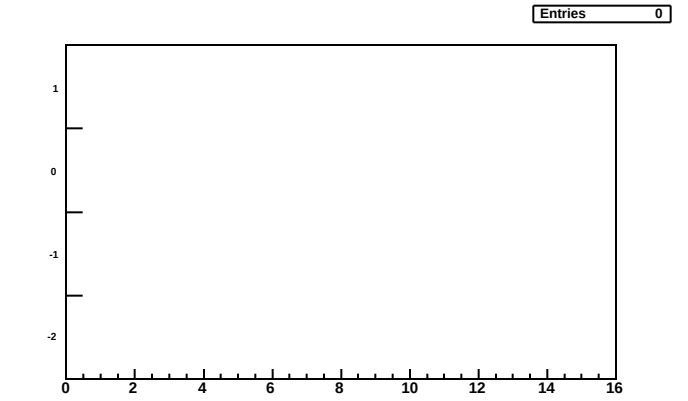

TF201 0-15 (ch0)
Entries 1.529557e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

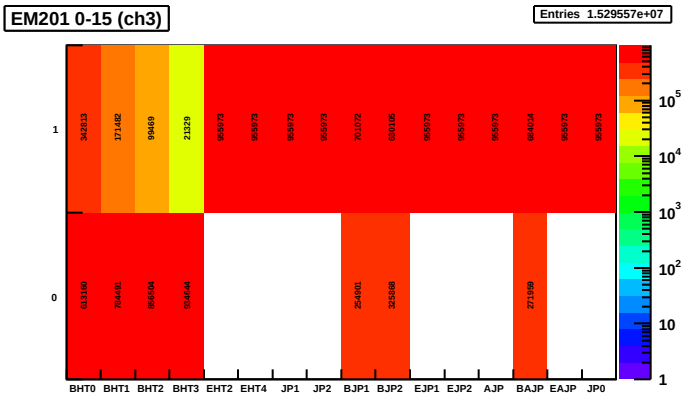

TF201 0-15 (ch0)
Entries 60
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

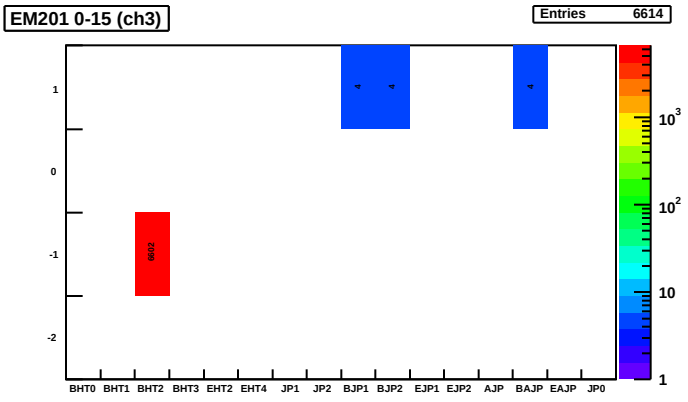

VT201 0-15 (ch1)
Entries 1.529557e+07
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

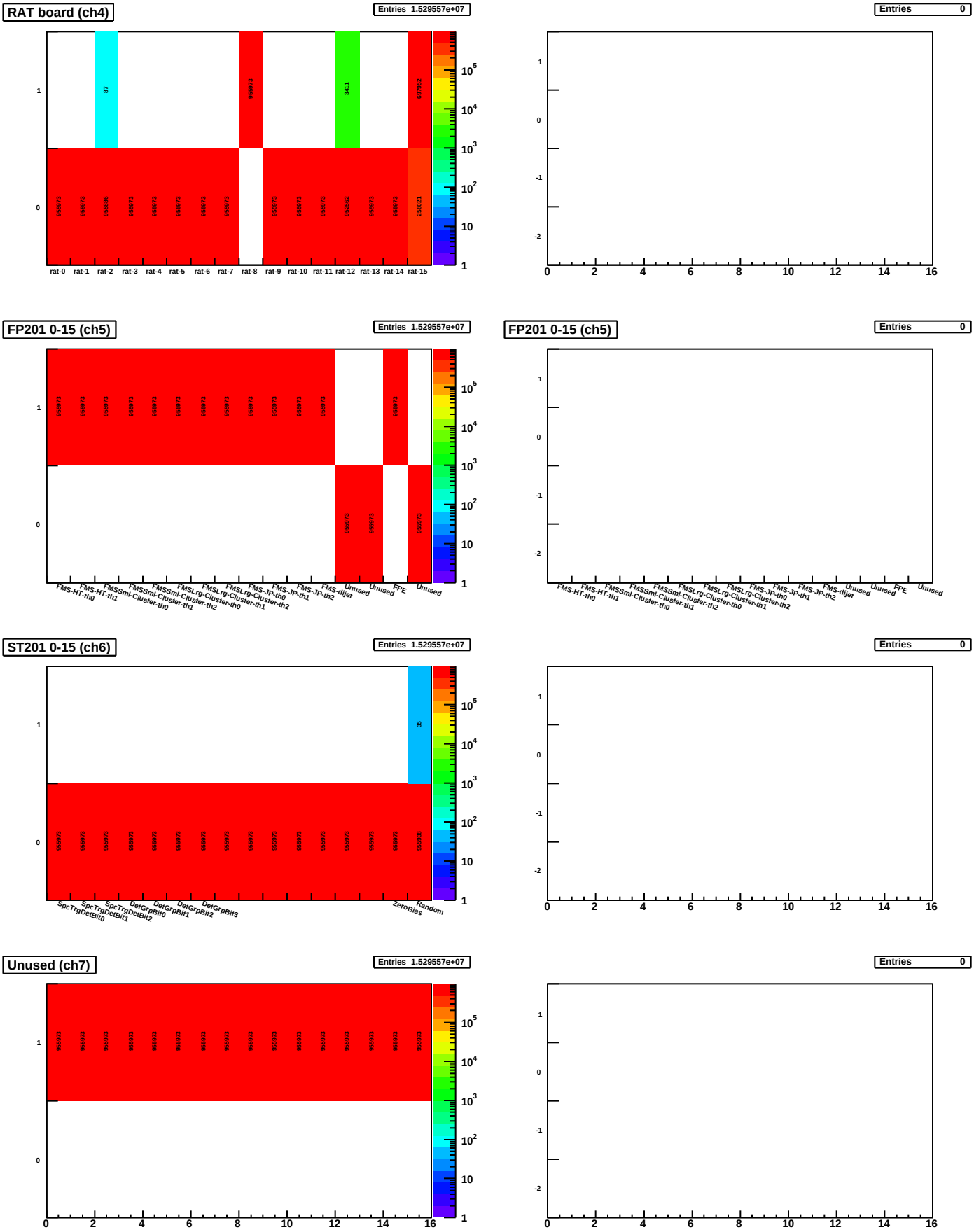

VT201 0-15 (ch1)
Entries 3441280
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


Unused (ch2)
Entries 1.529557e+07


Entries 0


EM201 0-15 (ch3)
Entries 1.529557e+07
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0


EM201 0-15 (ch3)
Entries 6614
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0


RAT board (ch4)
Entries 1.529557e+07
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 1.529557e+07
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 1.529557e+07
Entries 0
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random
Unused (ch7)
Entries 1.529557e+07
Entries 0