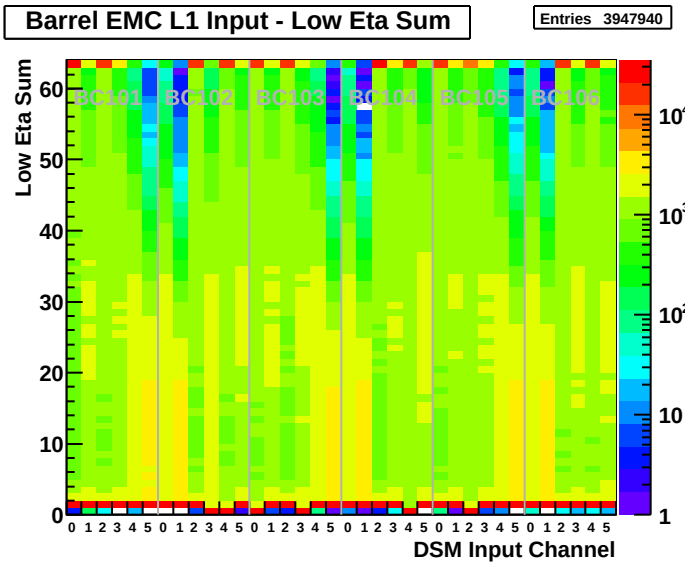
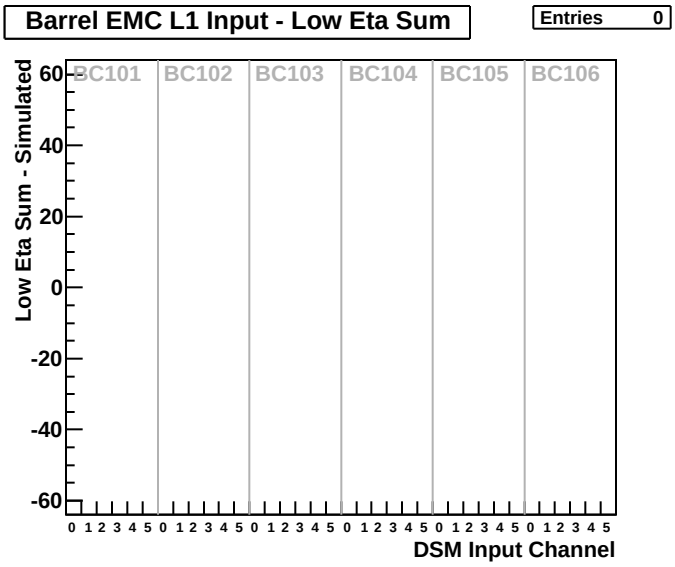
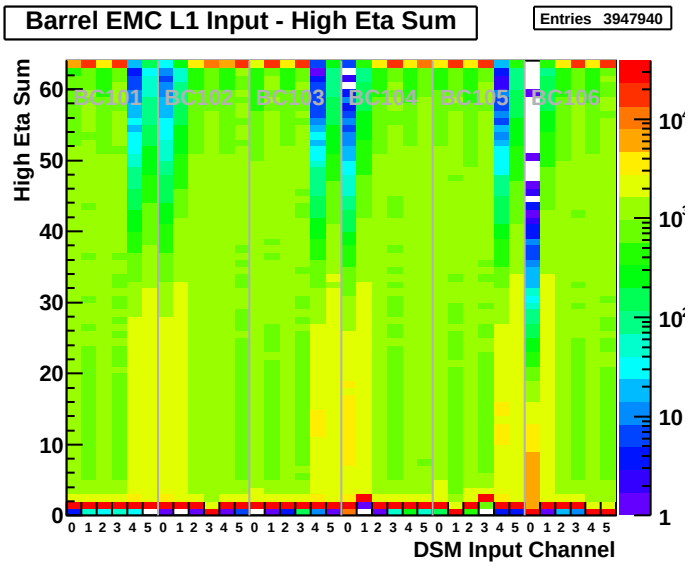
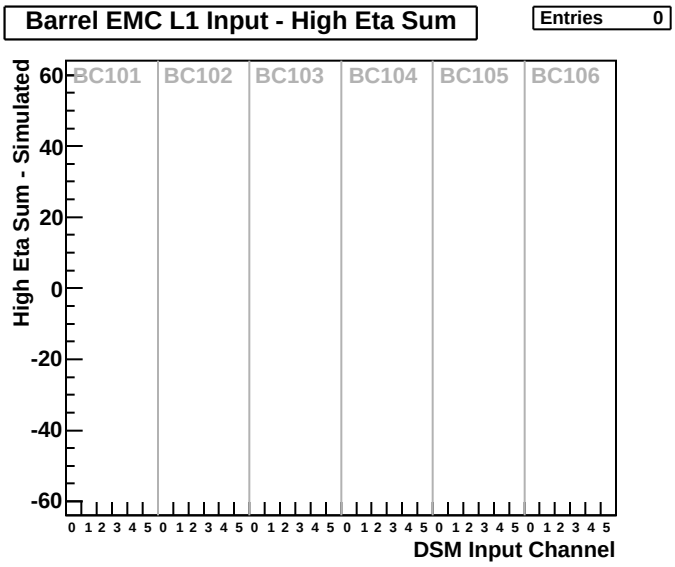
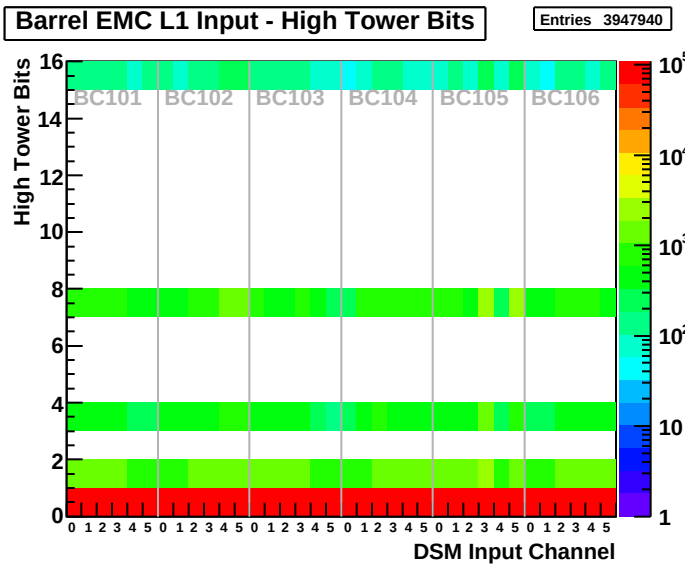
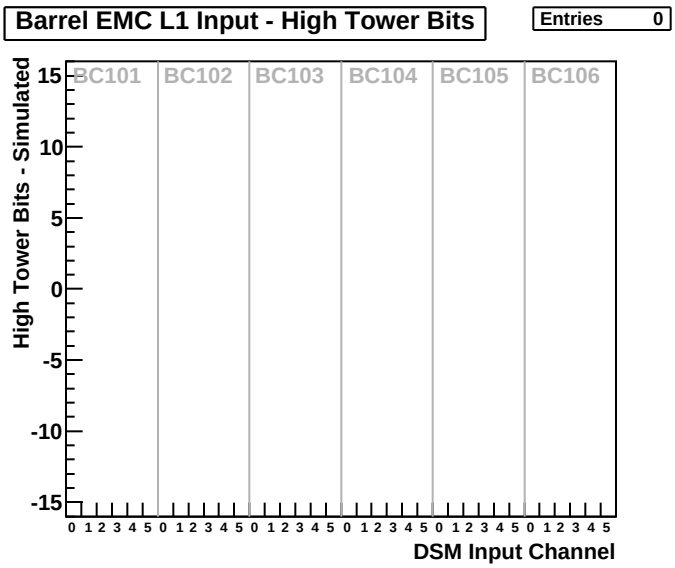

Barrel EMC L1 Input - Low Eta Sum
Entries 3947940
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

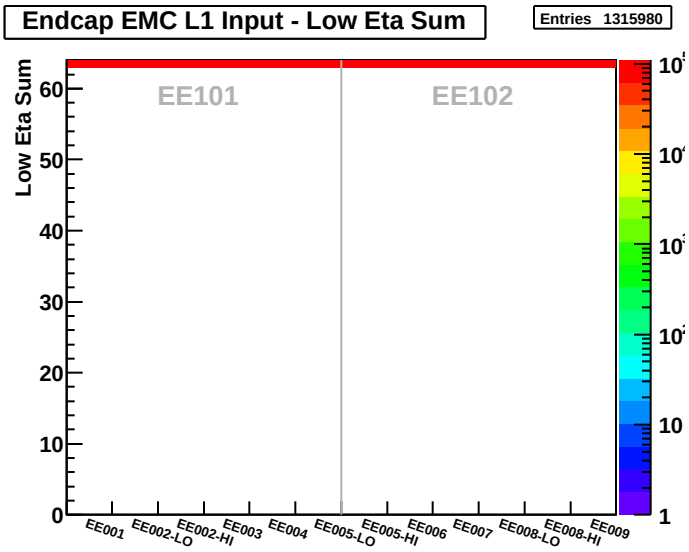

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

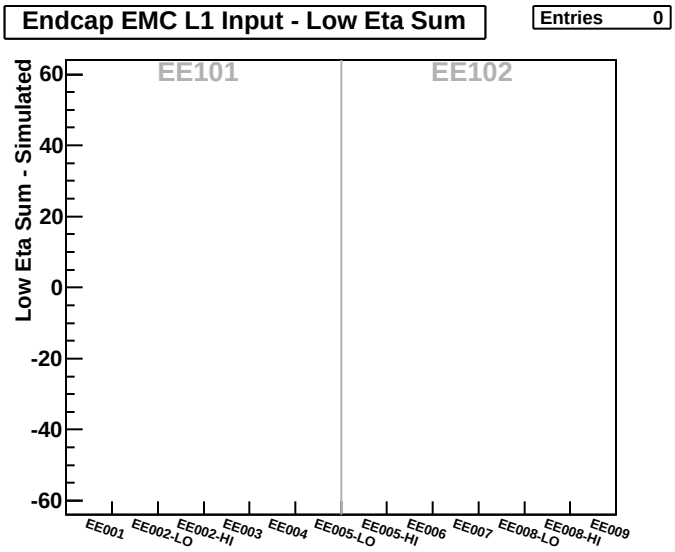

Barrel EMC L1 Input - High Eta Sum
Entries 3947940
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

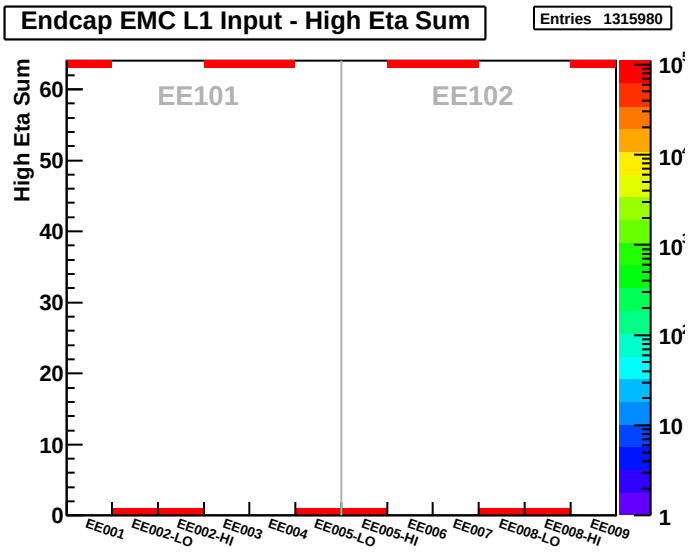

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

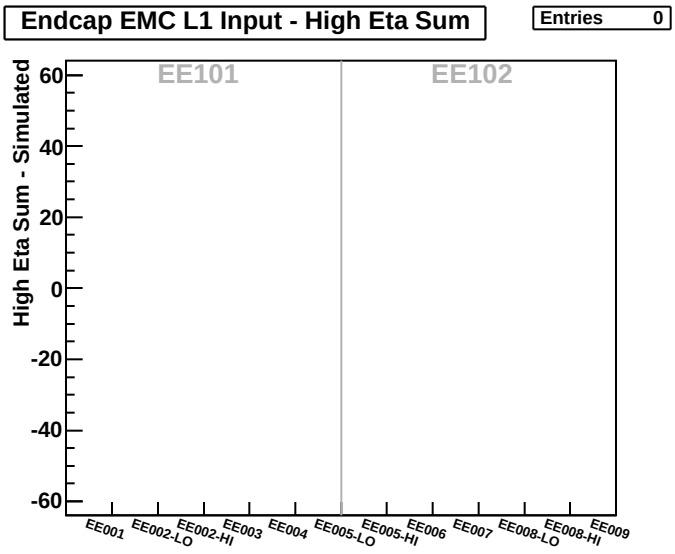

Barrel EMC L1 Input - High Tower Bits
Entries 3947940
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

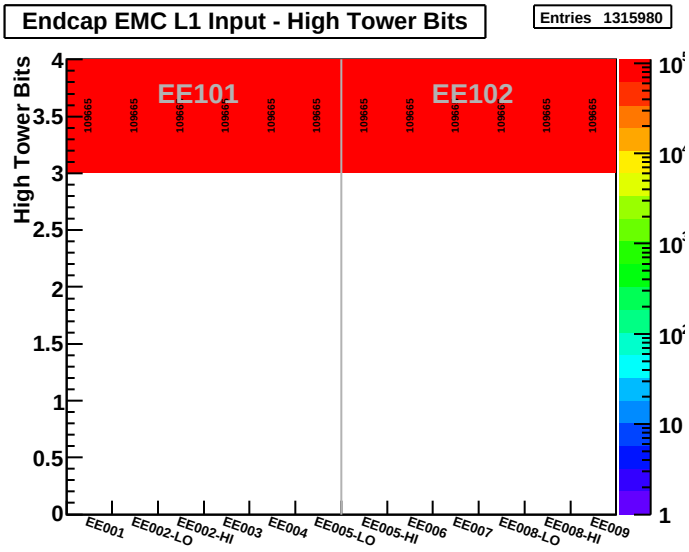

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

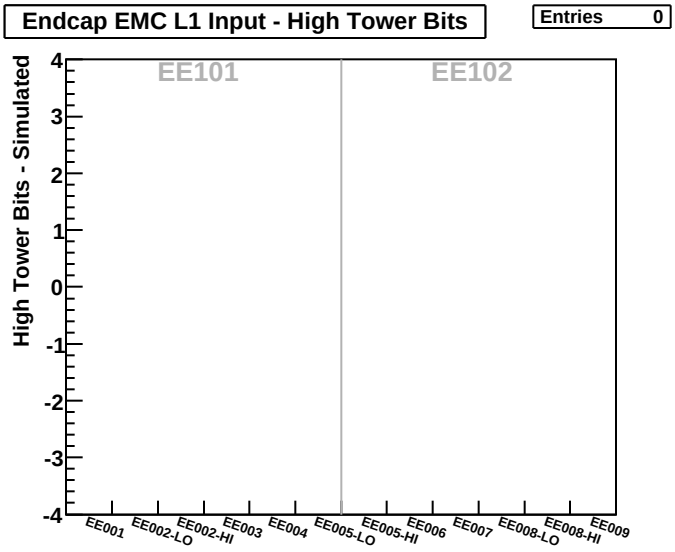

Endcap EMC L1 Input - Low Eta Sum
Entries 1315980
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

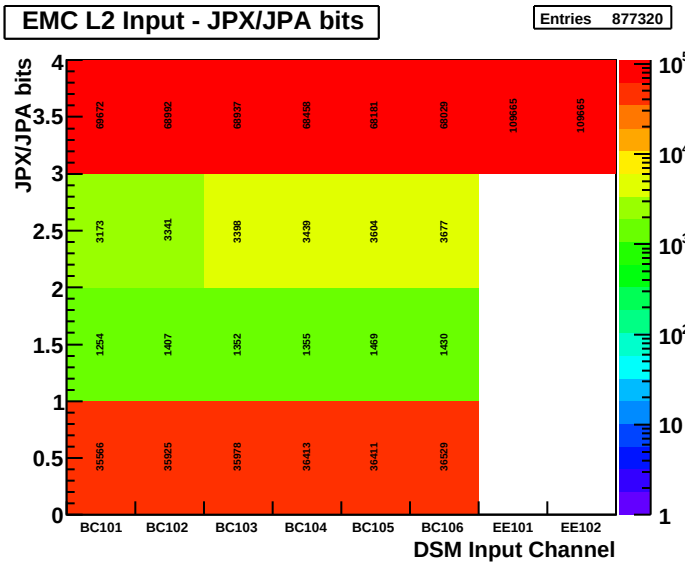

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

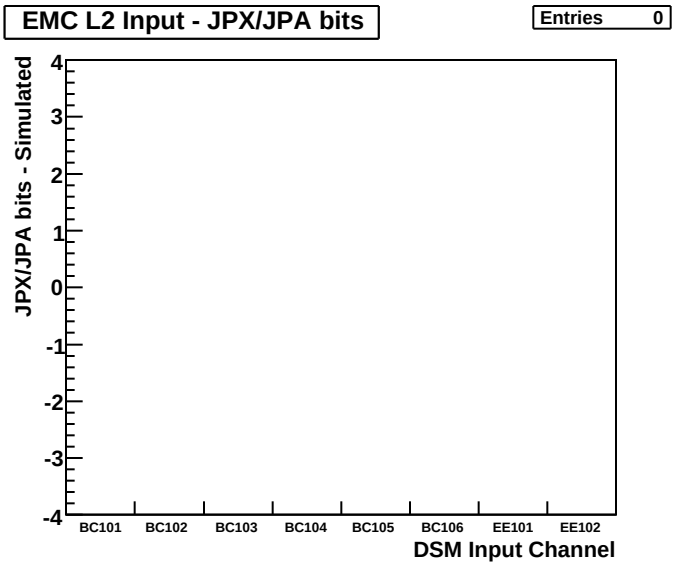

Endcap EMC L1 Input - High Eta Sum
Entries 1315980
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

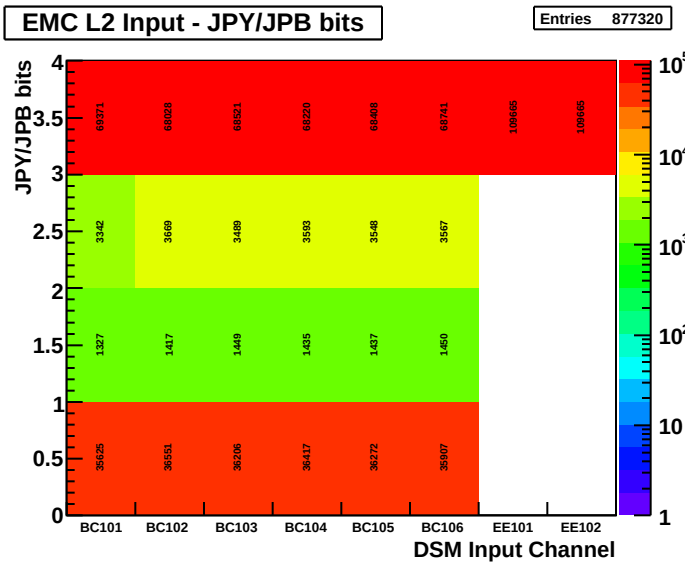

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

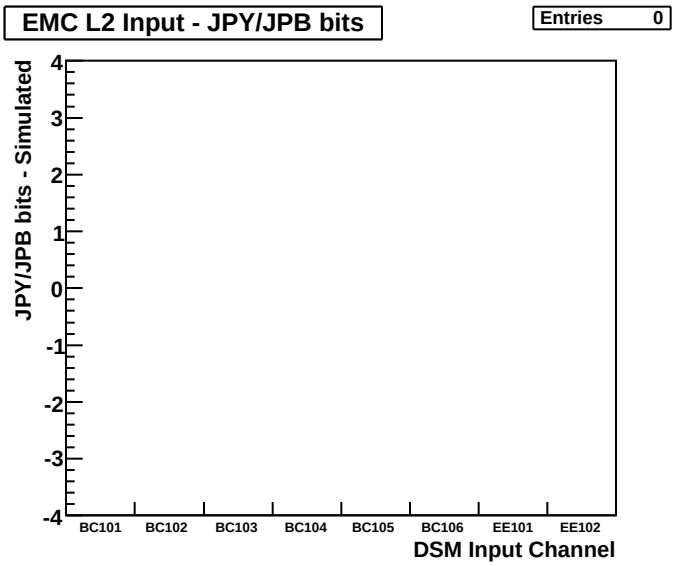

Endcap EMC L1 Input - High Tower Bits
Entries 1315980
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

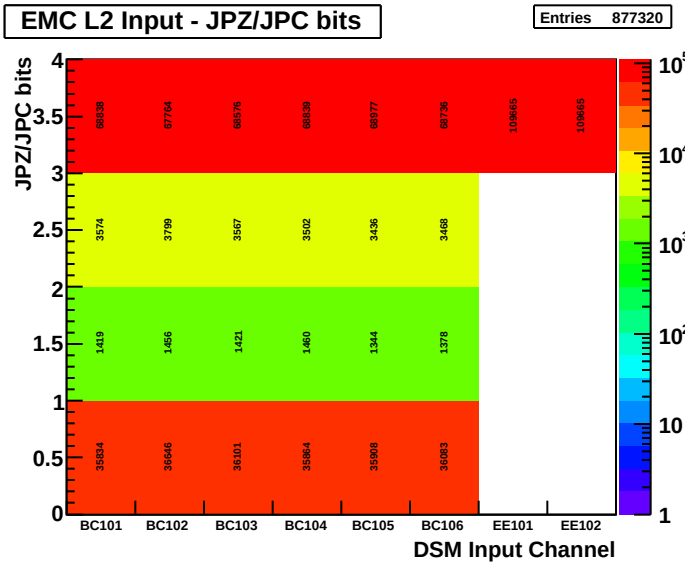

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

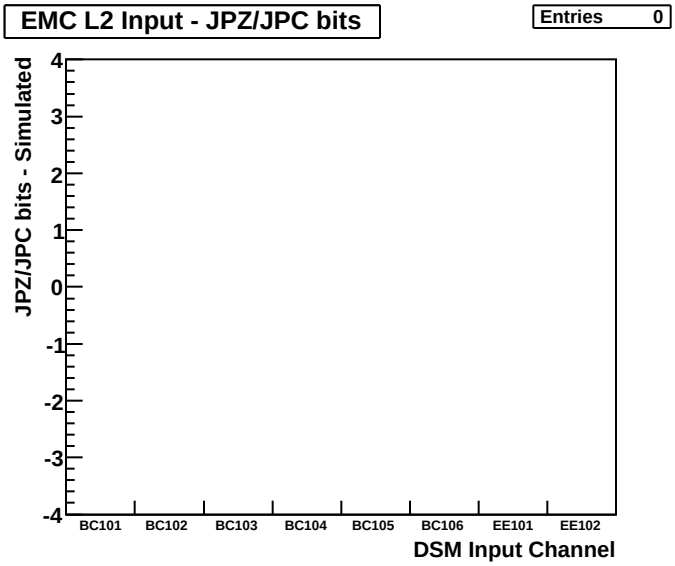

EMC L2 Input - JPX/JPA bits
Entries 877320
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
68672 68932 68937 68458 68181 68029 109665 109665
3173 3341 3398 3439 3604 3677
1254 1407 1352 1355 1469 1430
35566 35925 35978 36413 36411 36529

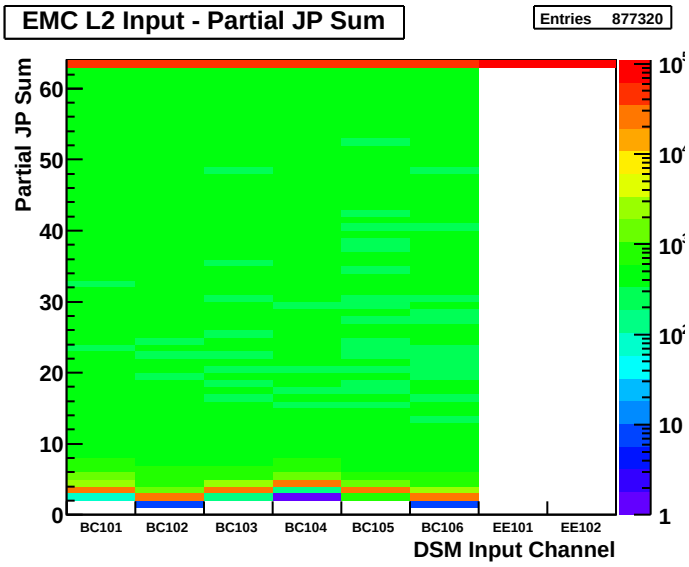

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

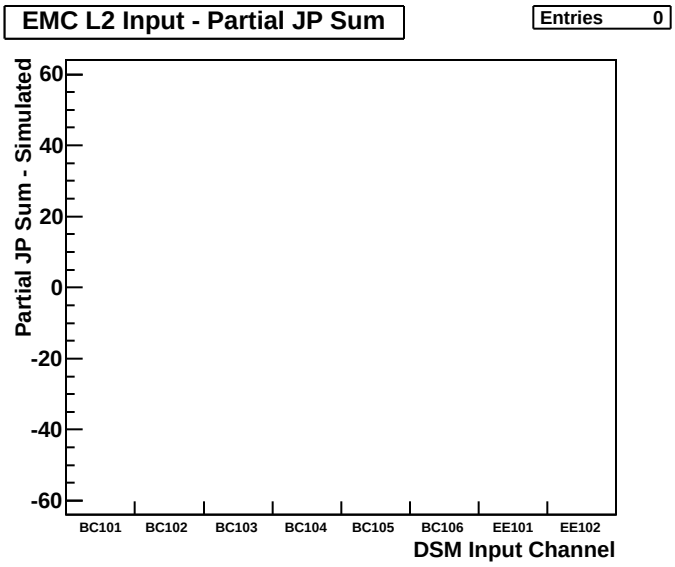

EMC L2 Input - JPY/JPB bits
Entries 877320
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
69371 69028 68521 68220 68408 68741 109665 109665
3342 3669 3489 3593 3548 3567
1327 1417 1449 1435 1437 1450
35625 36551 36206 36417 36272 35907

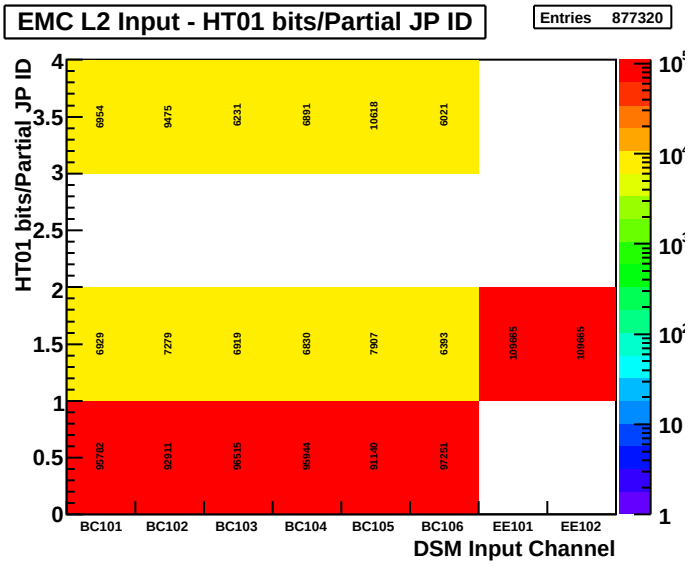

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

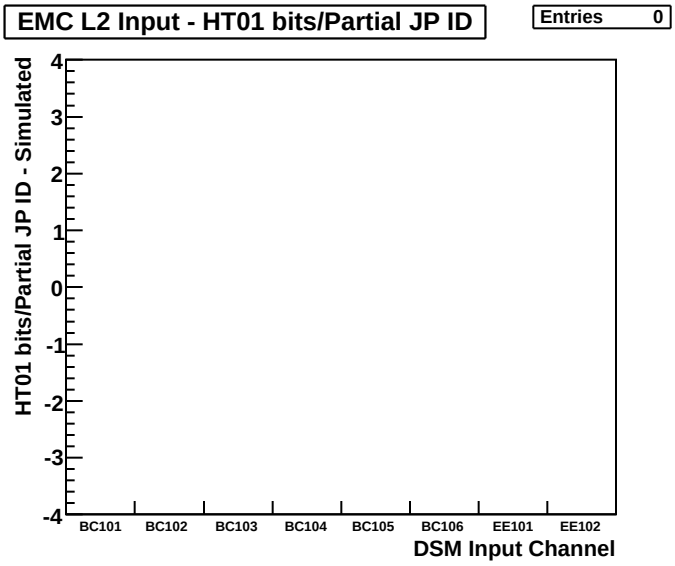

EMC L2 Input - JPZ/JPC bits
Entries 877320
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
68838 67764 68576 68839 68977 68736 109665 109665
3574 3799 3567 3502 3436 3468
1419 1456 1421 1460 1344 1378
35834 36646 36101 35864 35908 36083

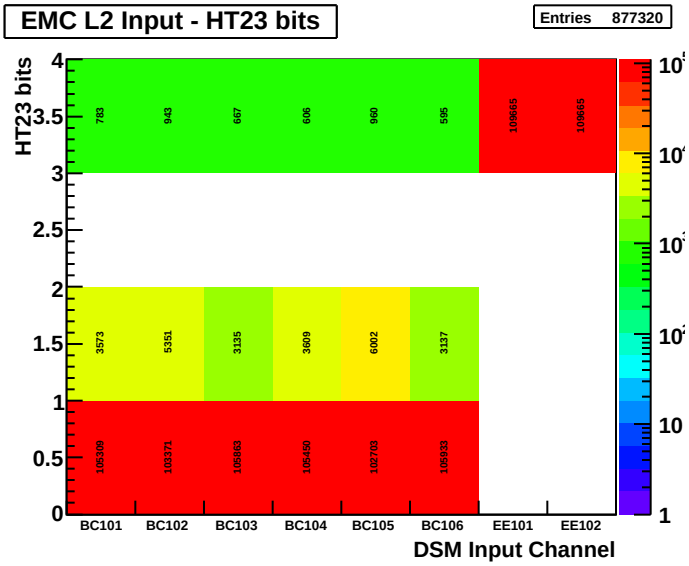

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

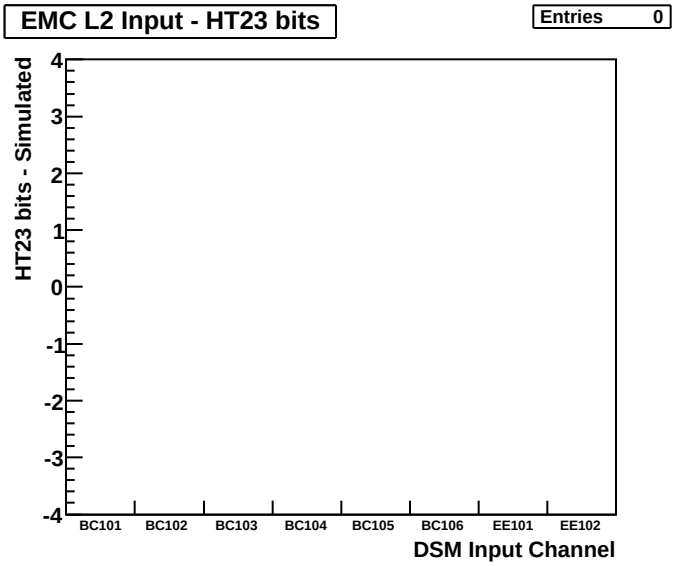

EMC L2 Input - Partial JP Sum
Entries 877320
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

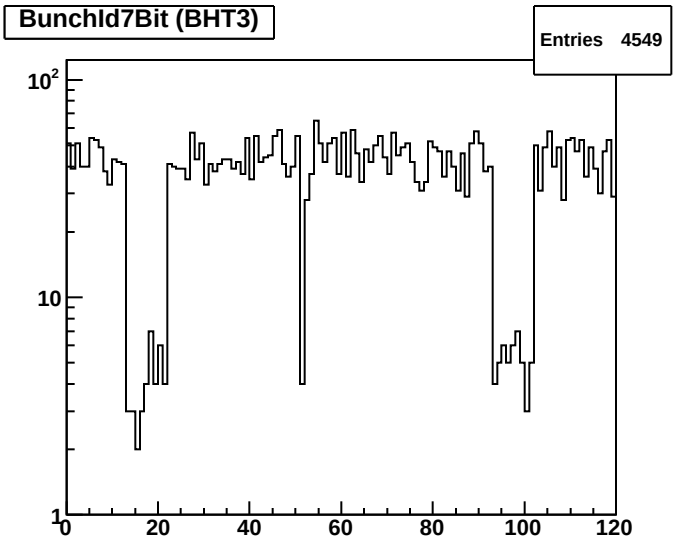

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

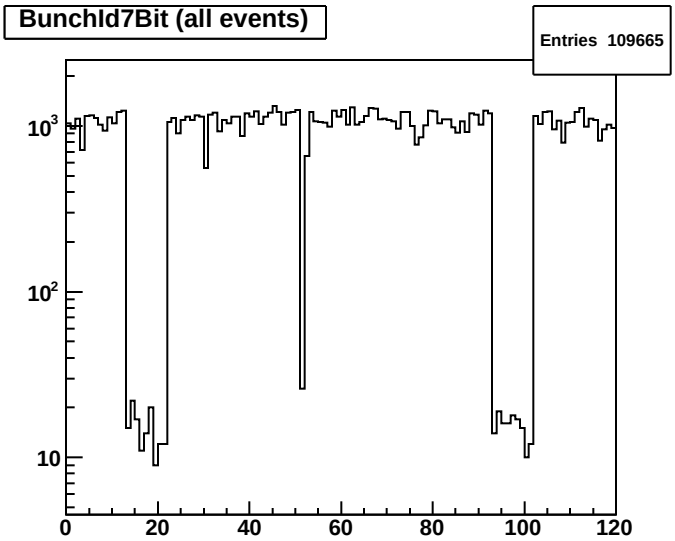

EMC L2 Input - HT01 bits/Partial JP ID
Entries 877320
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

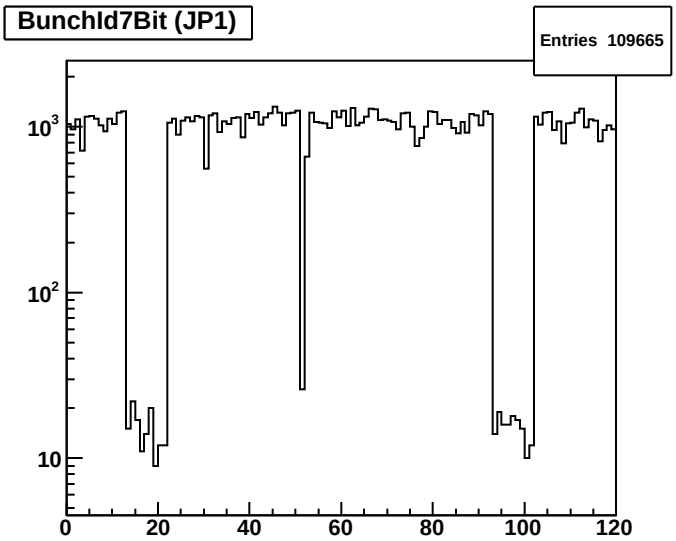

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

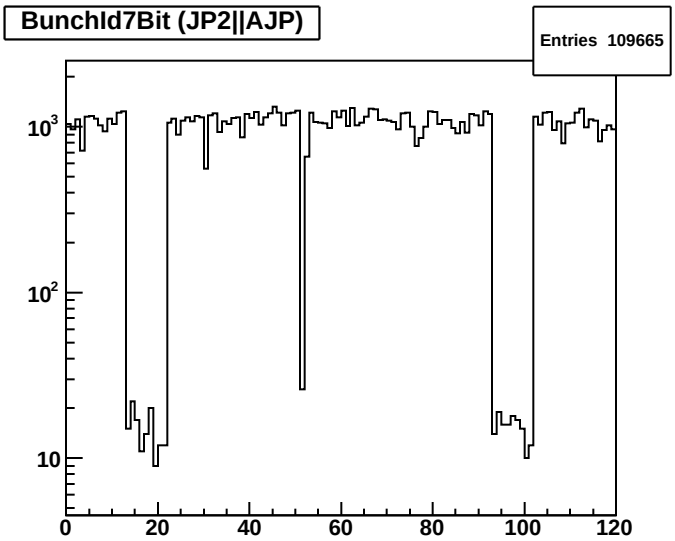

EMC L2 Input - HT23 bits
Entries 877320
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

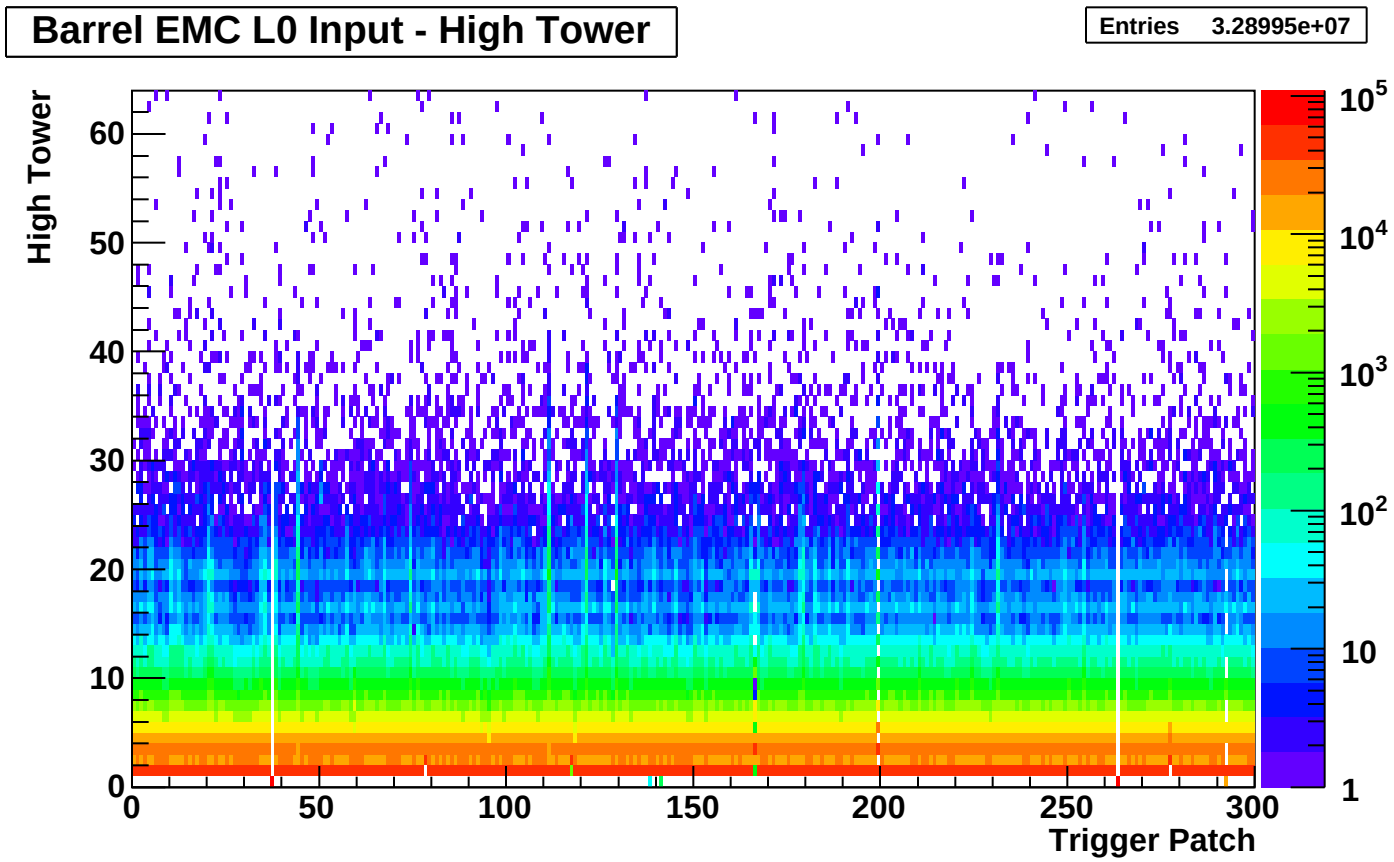

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

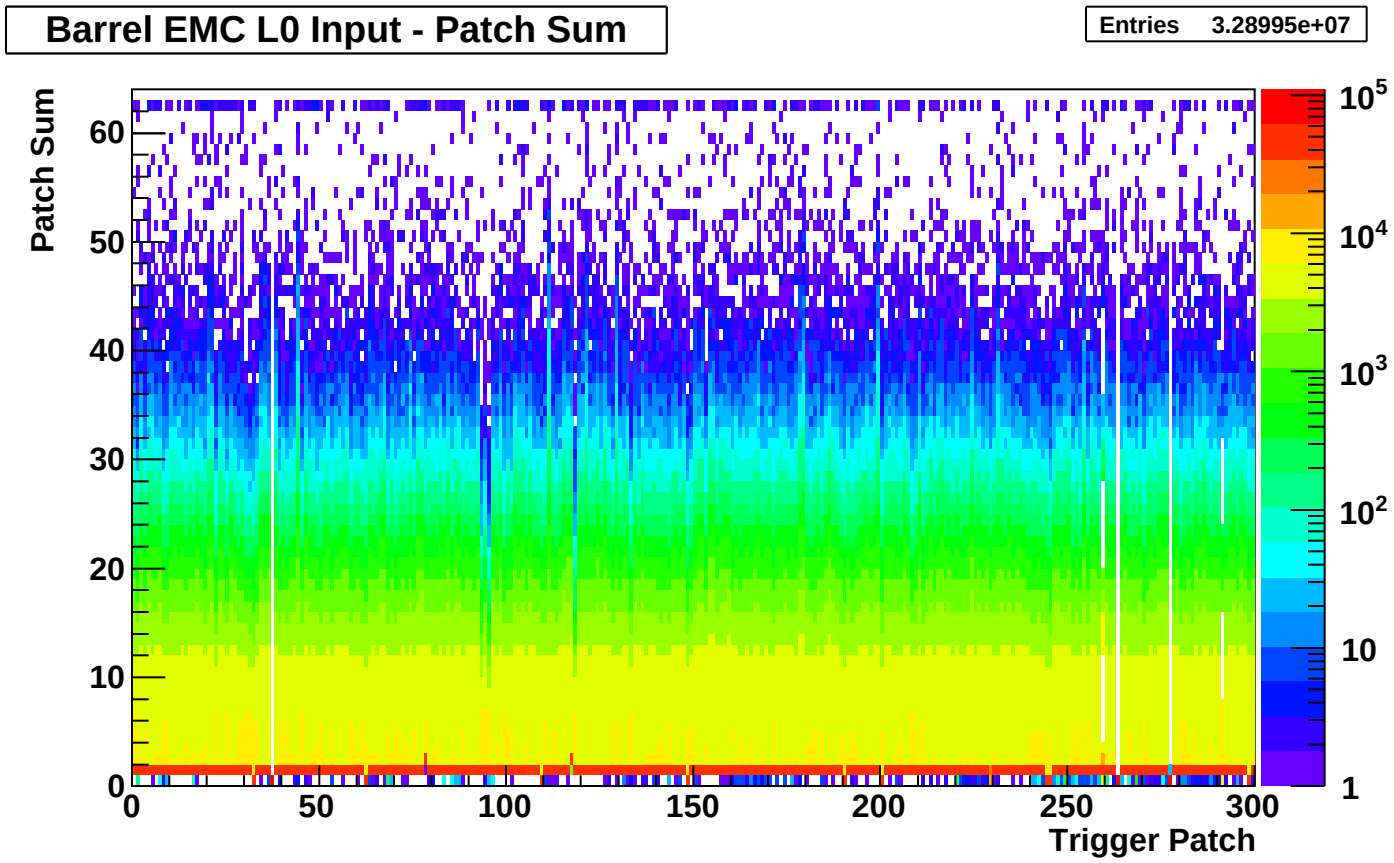

BunchId7Bit (BHT3)
Entries 4549
10^2
10
1
0
20
40
60
80
100
120

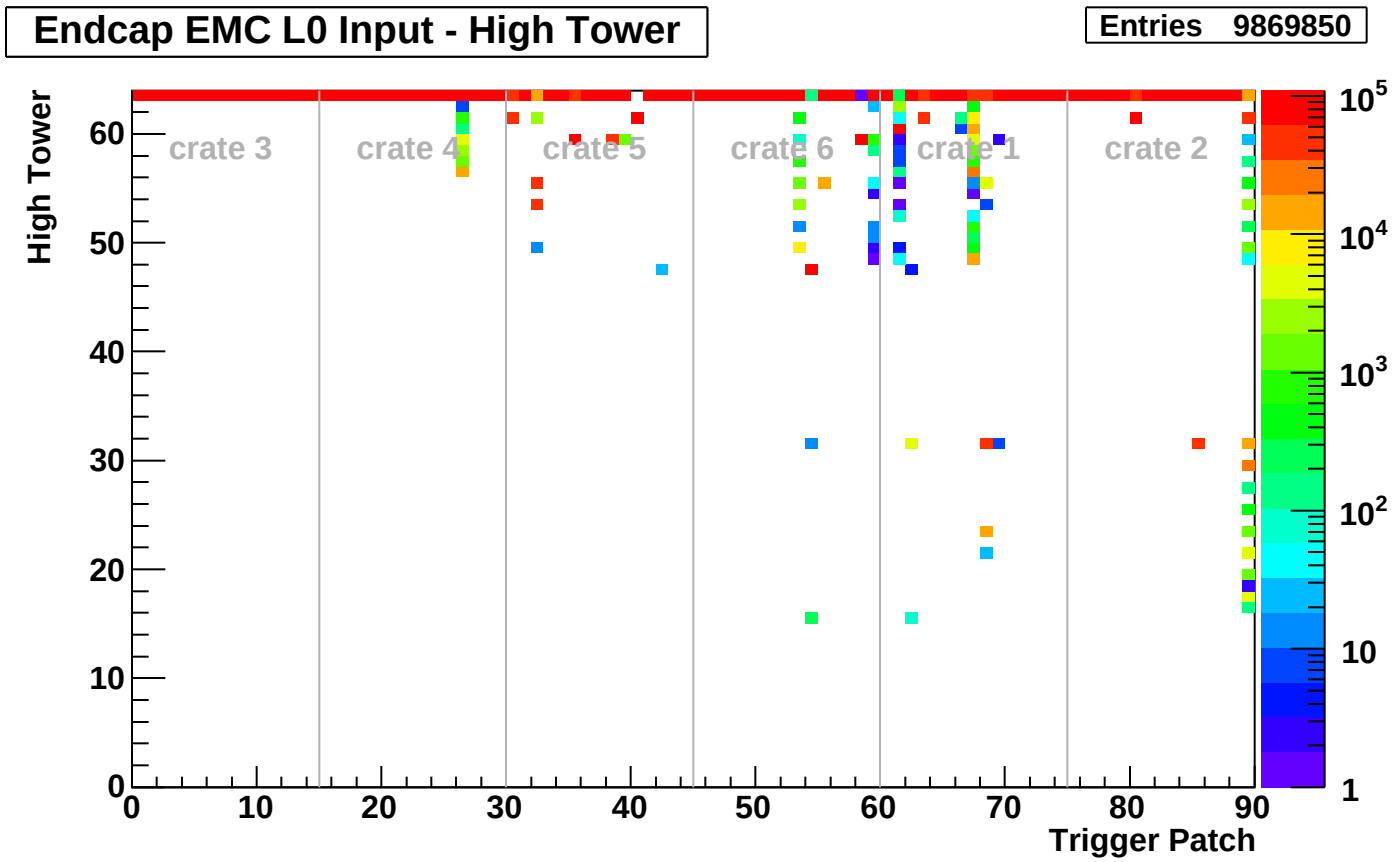

BunchId7Bit (all events)
Entries 109665
10^3
10^2
10
0
20
40
60
80
100
120

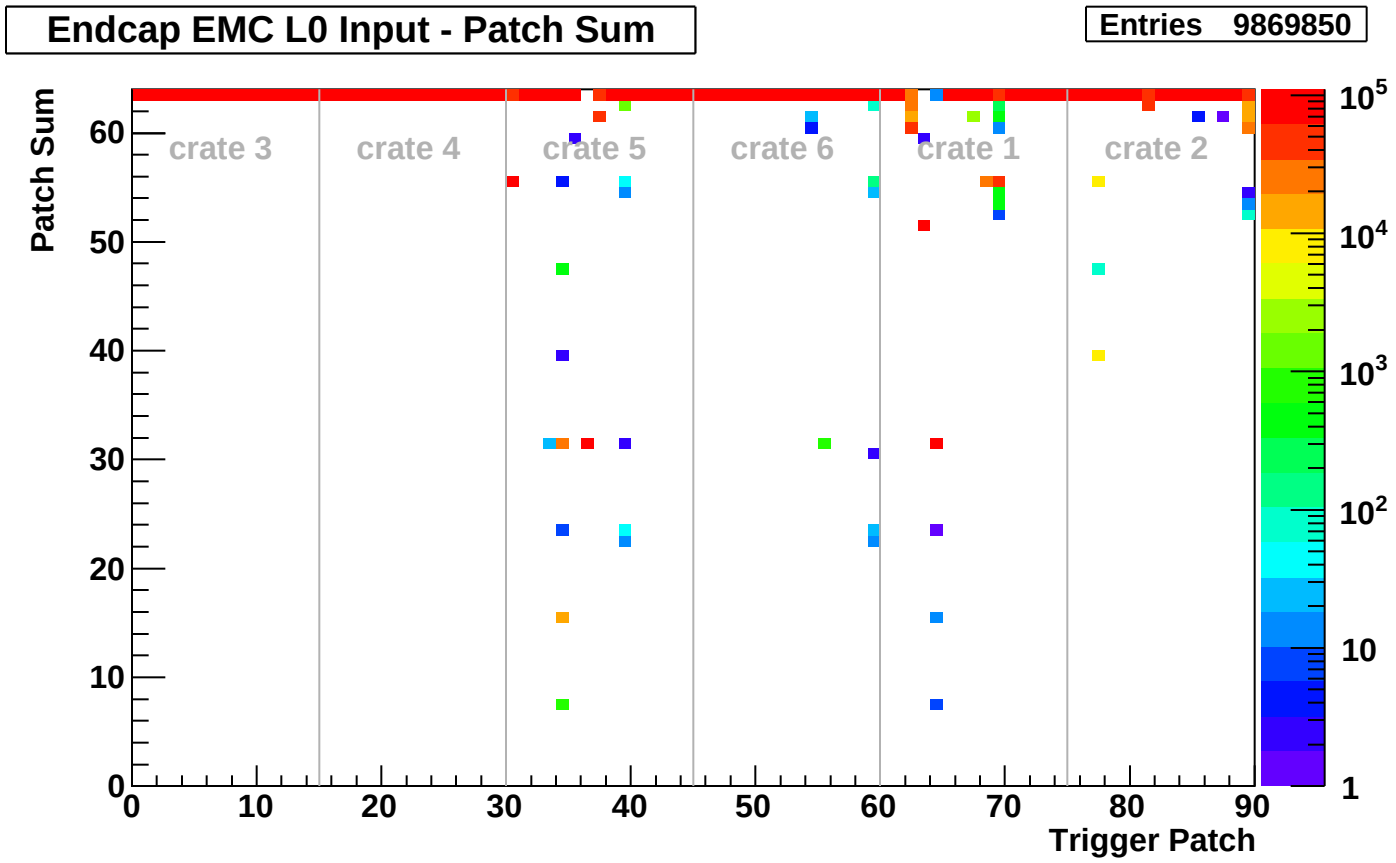

BunchId7Bit (JP1)
Entries 109665
10^3
10^2
10
0
20
40
60
80
100
120

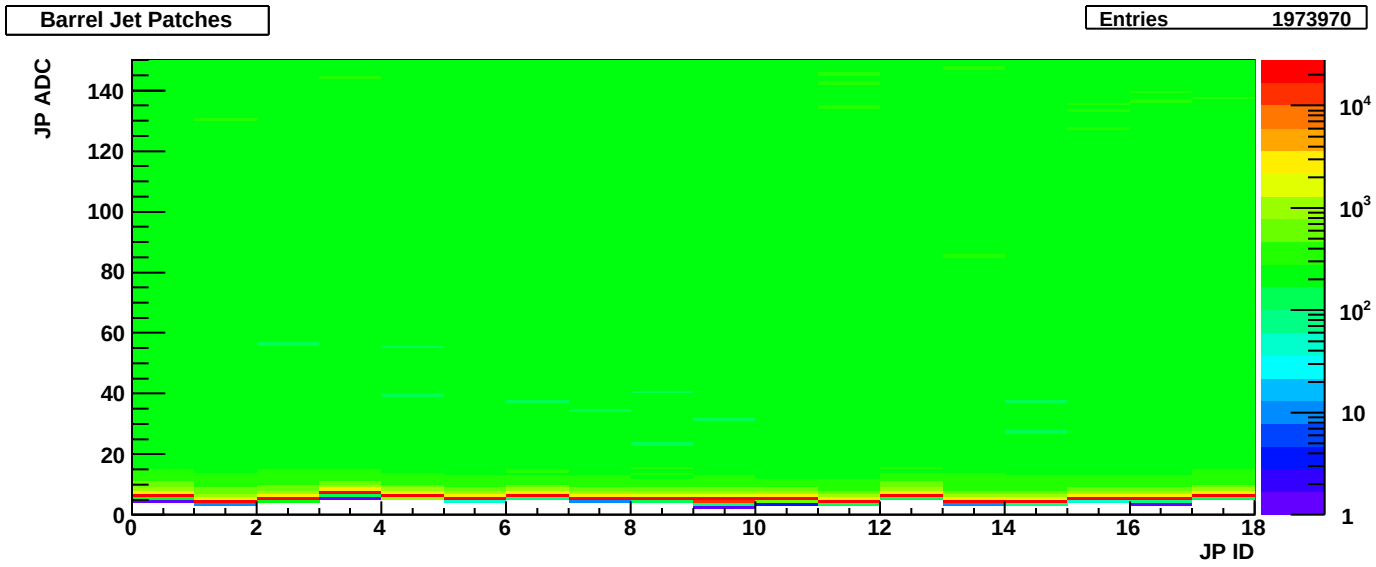

BunchId7Bit (JP2||AJP)
Entries 109665
10^3
10^2
10
0
20
40
60
80
100
120

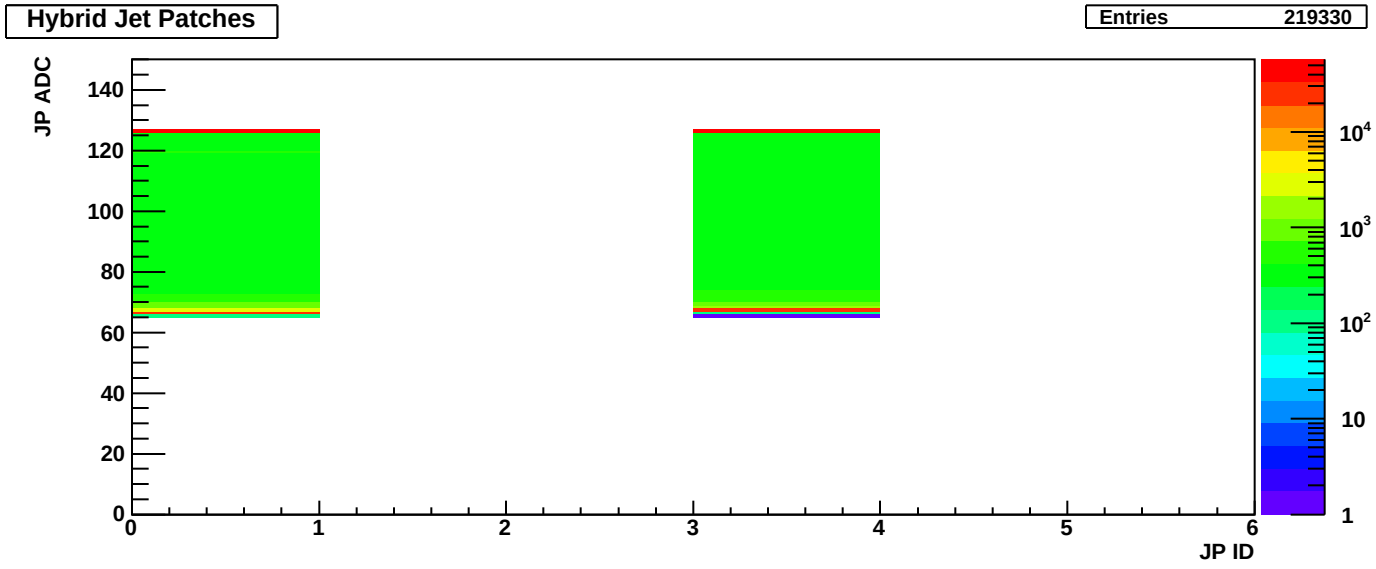

Barrel EMC L0 Input - High Tower
Entries 3.28995e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

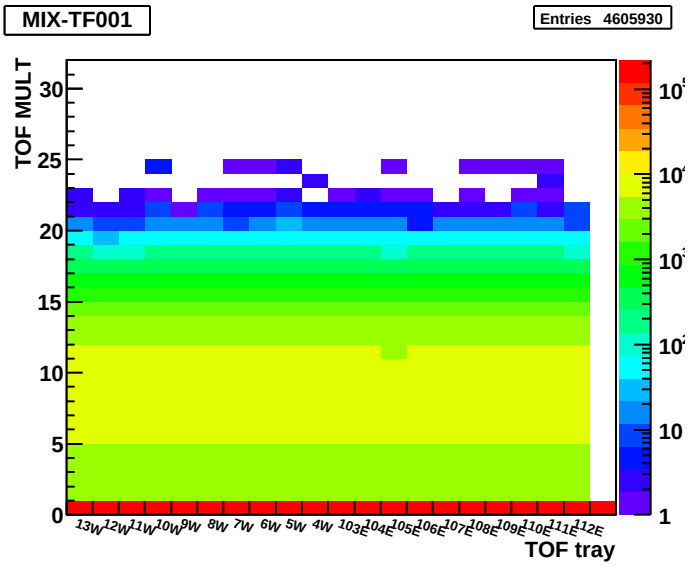

Barrel EMC L0 Input - Patch Sum
Entries 3.28995e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

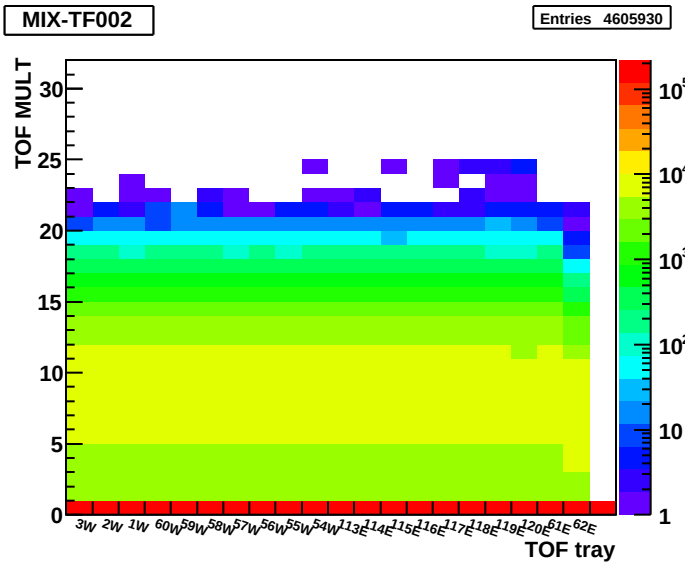

Endcap EMC L0 Input - High Tower
Entries 9869850
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

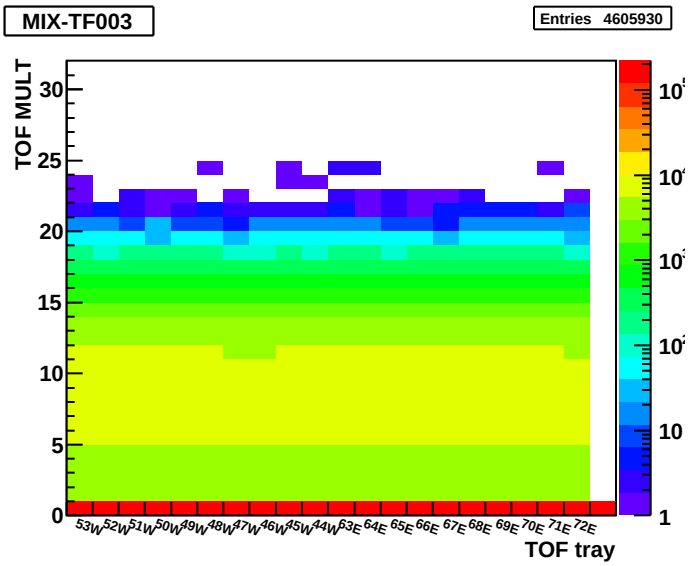

Endcap EMC L0 Input - Patch Sum
Entries 9869850
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

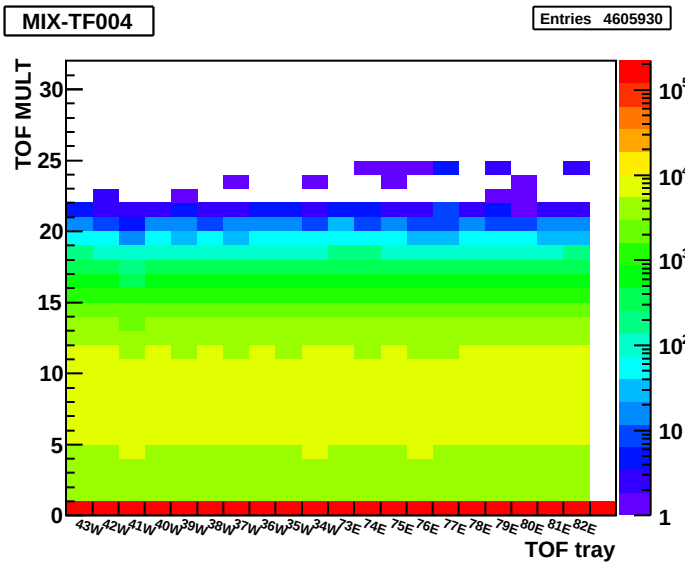

Barrel Jet Patches
Entries 1973970
JP ADC
JP ID

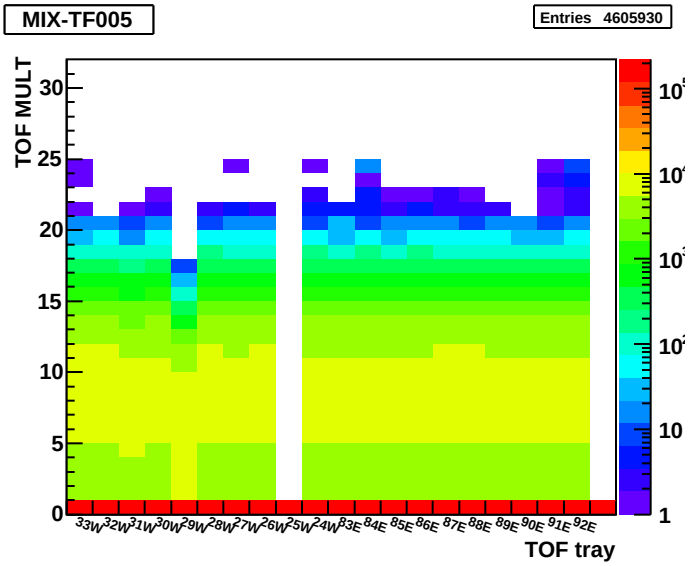

Hybrid Jet Patches
Entries 219330
JP ADC
JP ID

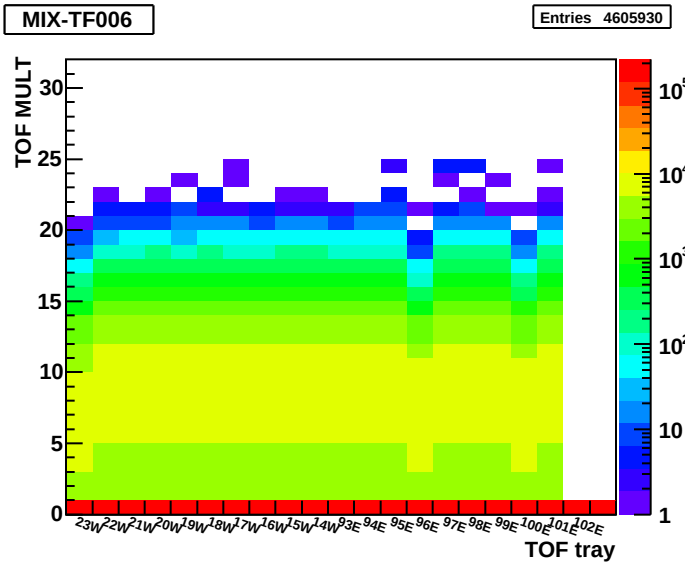

MIX-TF001
Entries 4605930
TOF MULT
TOF tray

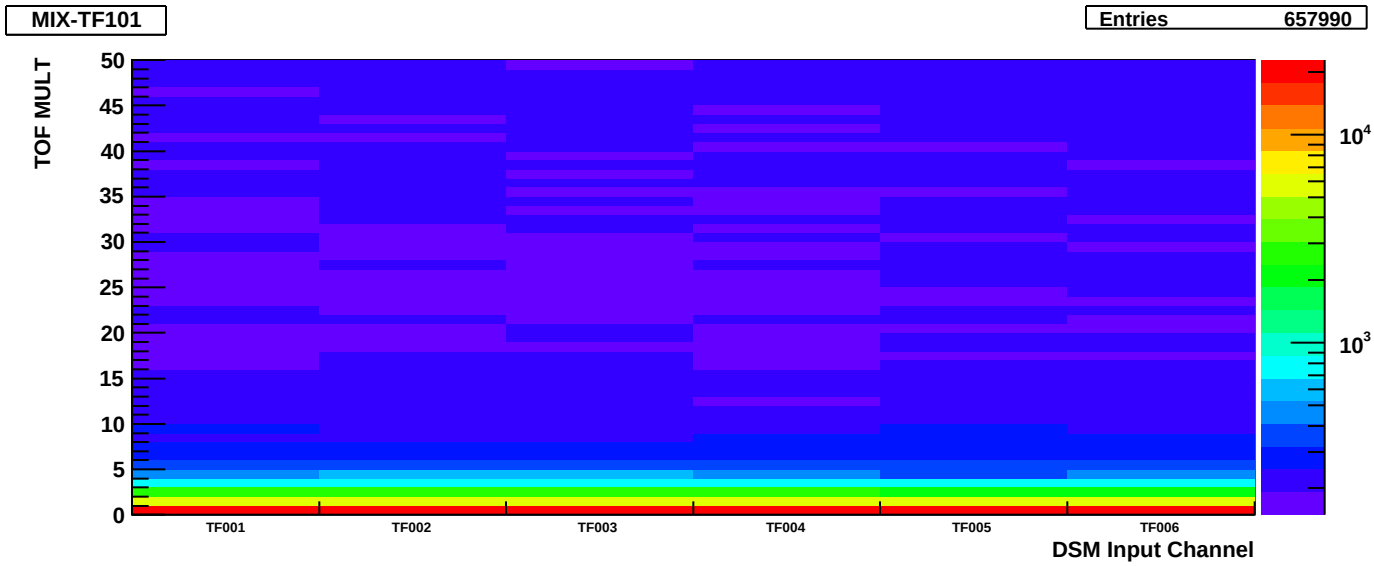

MIX-TF002
Entries 4605930
TOF MULT
TOF tray

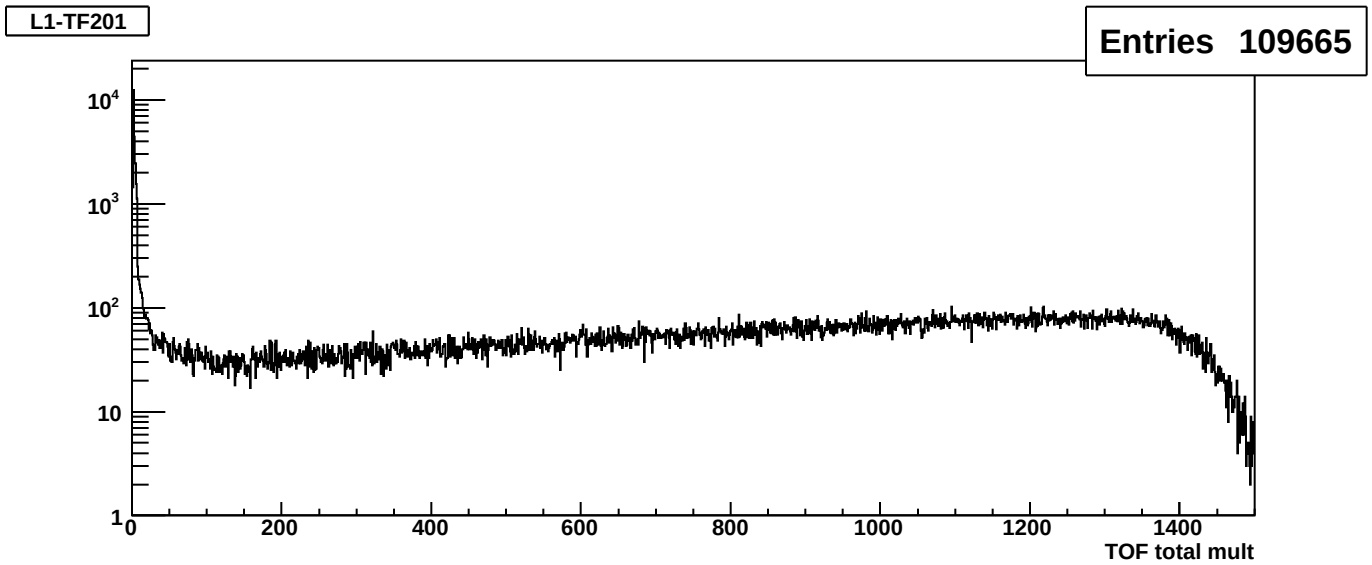

MIX-TF003
Entries 4605930
TOF MULT
TOF tray

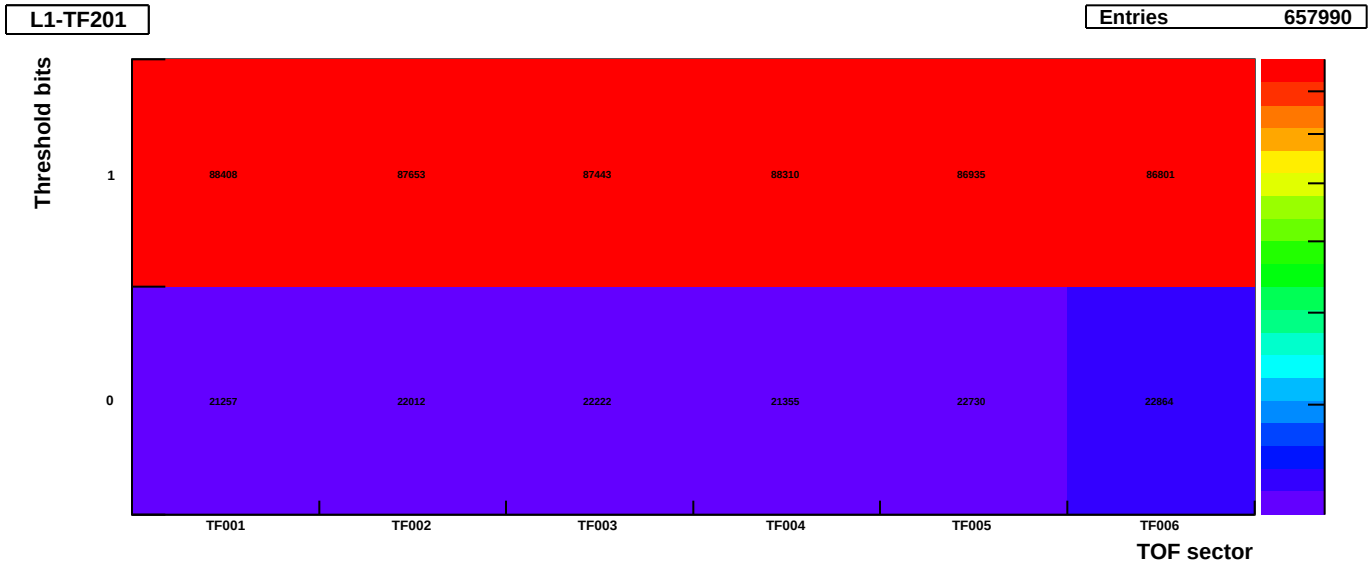

MIX-TF004
Entries 4605930
TOF MULT
TOF tray

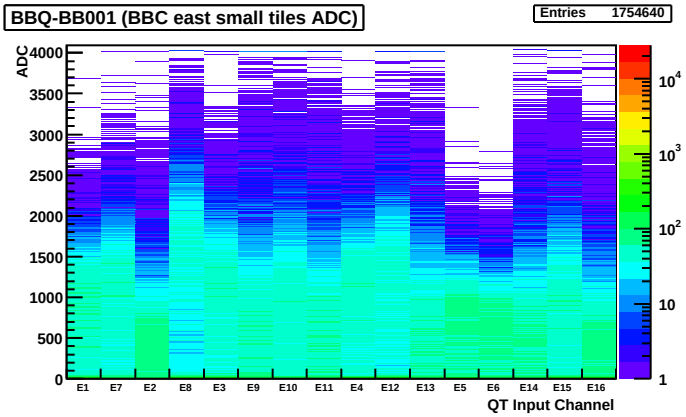

MIX-TF005
Entries 4605930
TOF MULT
TOF tray

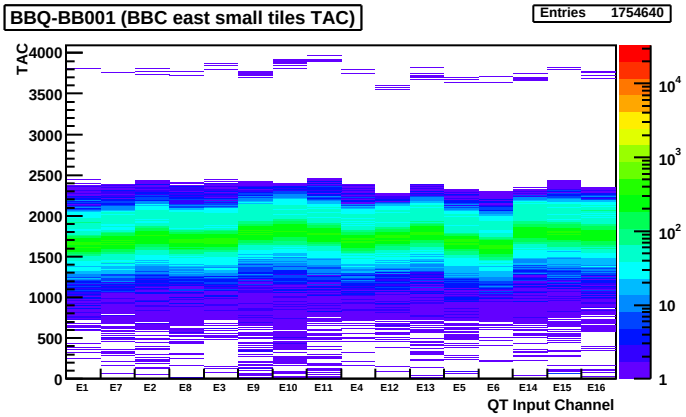

MIX-TF006
Entries 4605930
TOF MULT
TOF tray

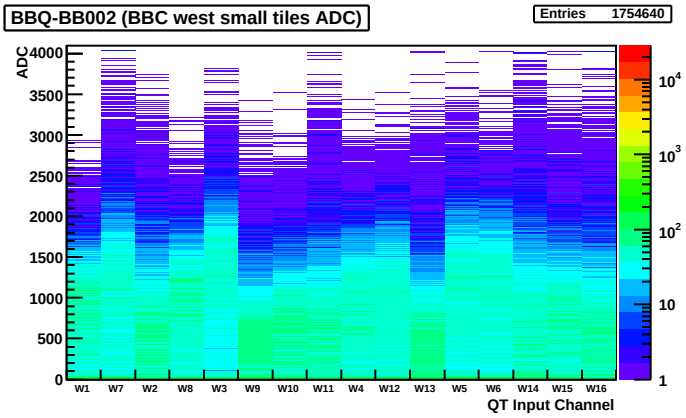

MIX-TF101
Entries 657990
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

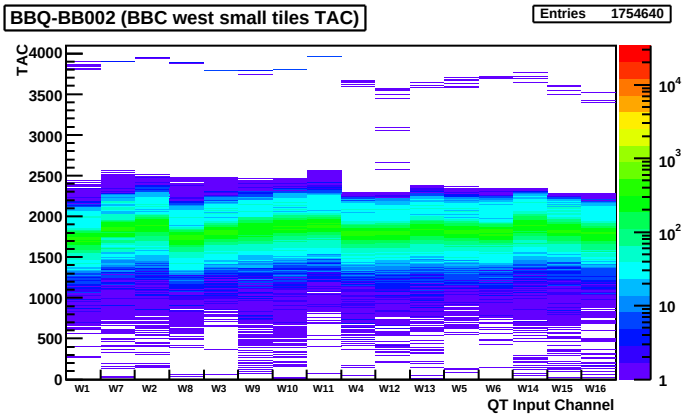

L1-TF201
Entries 109665
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

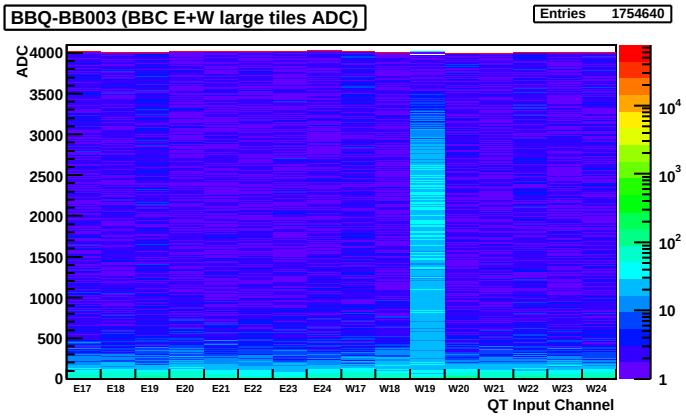

L1-TF201
Entries 657990
Threshold bits
1
0
88408
87653
87443
88310
86935
86801
21257
22012
22222
21355
22730
22884
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

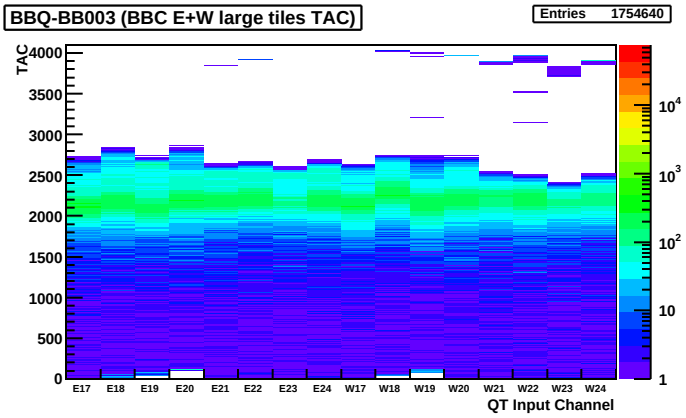

BBQ-BB001 (BBC east small tiles ADC)
Entries 1754640
ADC
QT Input Channel

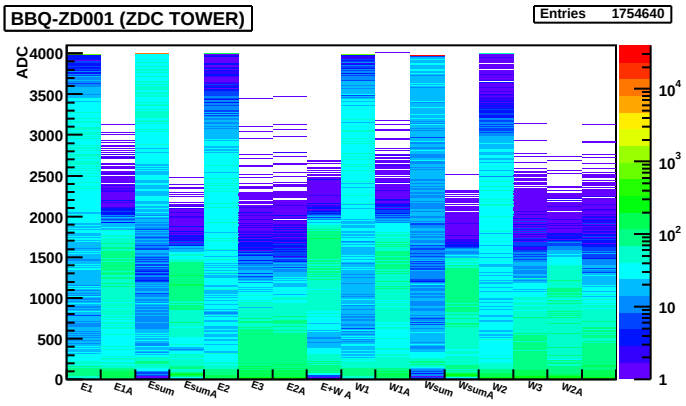

BBQ-BB001 (BBC east small tiles TAC)
Entries 1754640
TAC
QT Input Channel

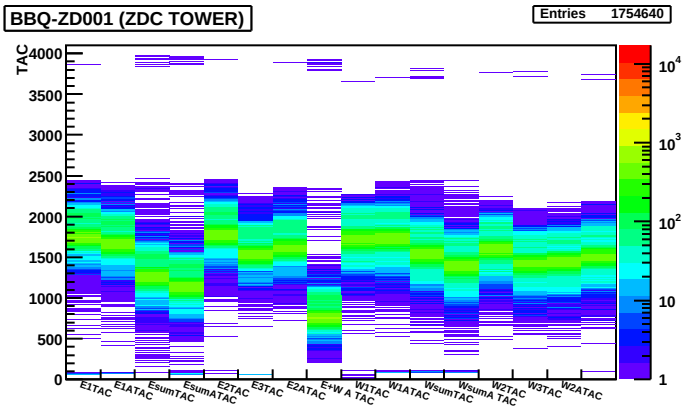

BBQ-BB002 (BBC west small tiles ADC)
Entries 1754640
ADC
QT Input Channel

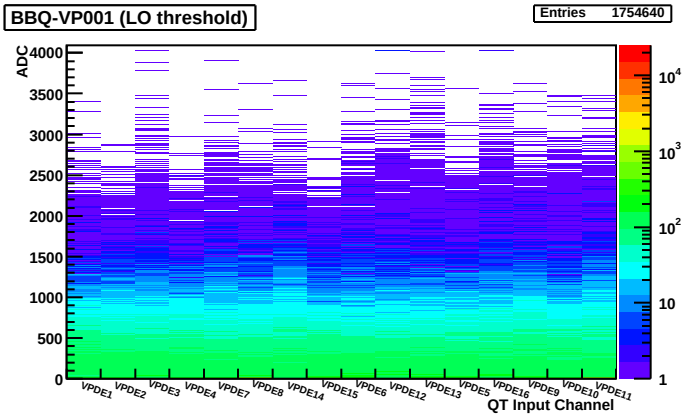

BBQ-BB002 (BBC west small tiles TAC)
Entries 1754640
TAC
QT Input Channel

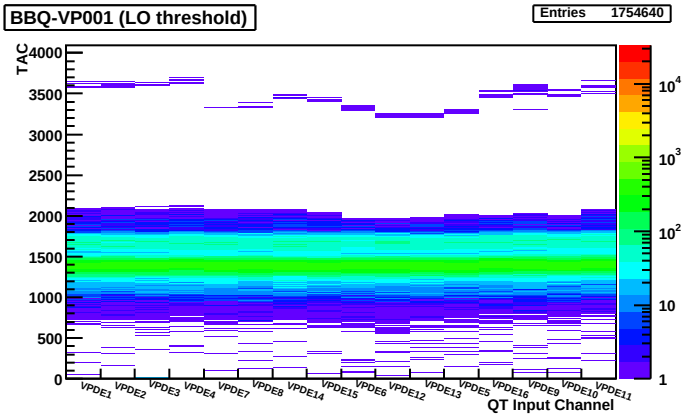

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1754640
ADC
QT Input Channel

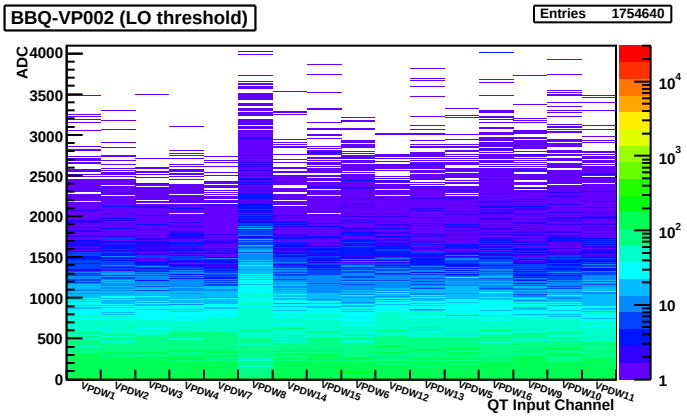

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1754640
TAC
QT Input Channel

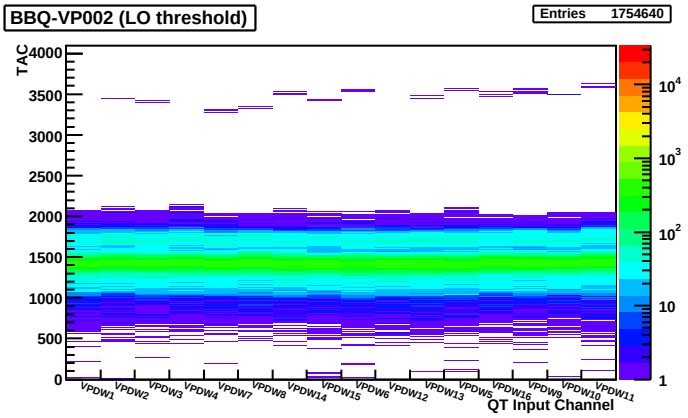

BBQ-ZD001 (ZDC TOWER)
Entries 1754640
ADC

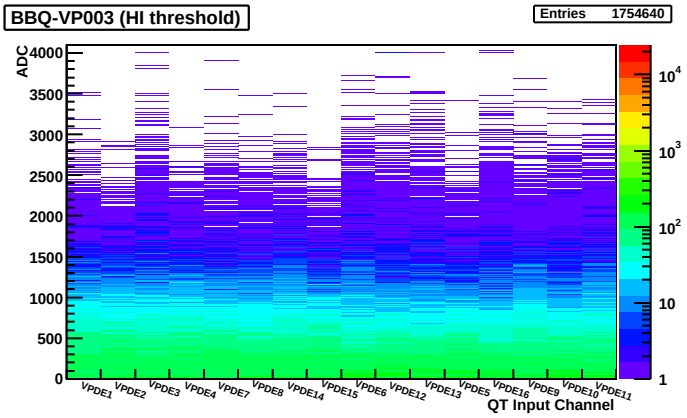

BBQ-ZD001 (ZDC TOWER)
Entries 1754640
TAC

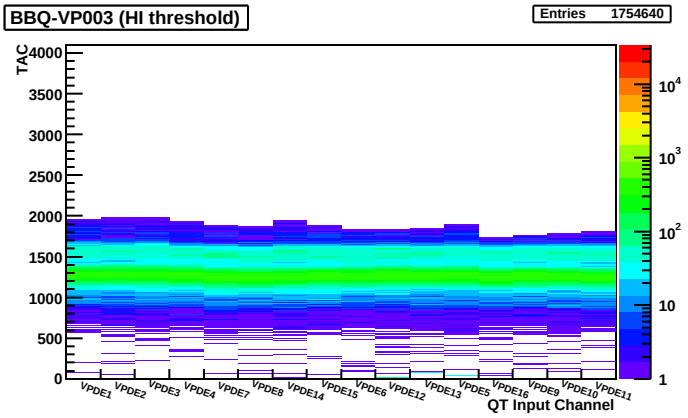

BBQ-VP001 (LO threshold)
Entries 1754640
ADC
QT Input Channel

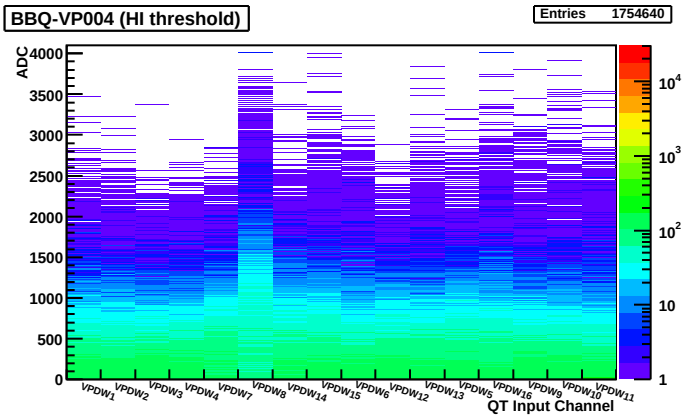

BBQ-VP001 (LO threshold)
Entries 1754640
TAC
QT Input Channel

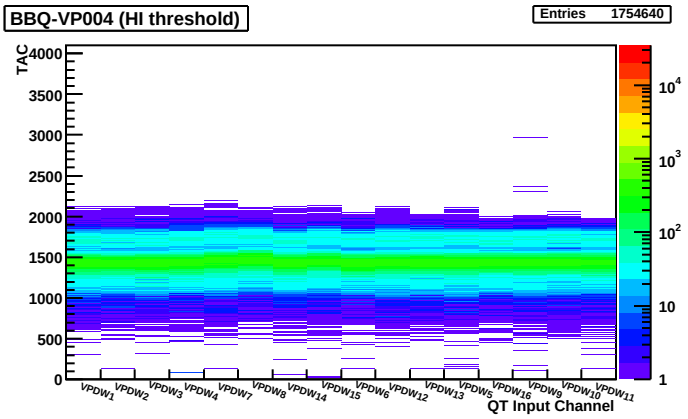

BBQ-VP002 (LO threshold)
Entries 1754640
ADC
QT Input Channel

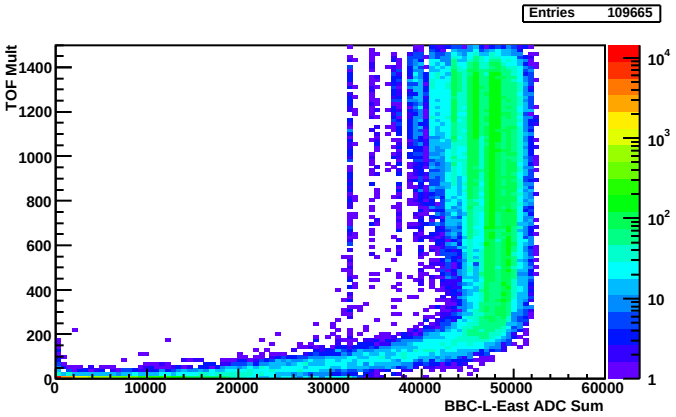

BBQ-VP002 (LO threshold)
Entries 1754640
TAC
QT Input Channel

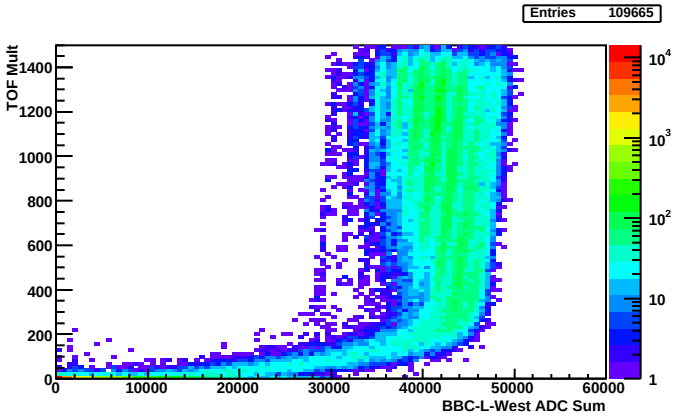

BBQ-VP003 (HI threshold)
Entries 1754640
ADC
QT Input Channel

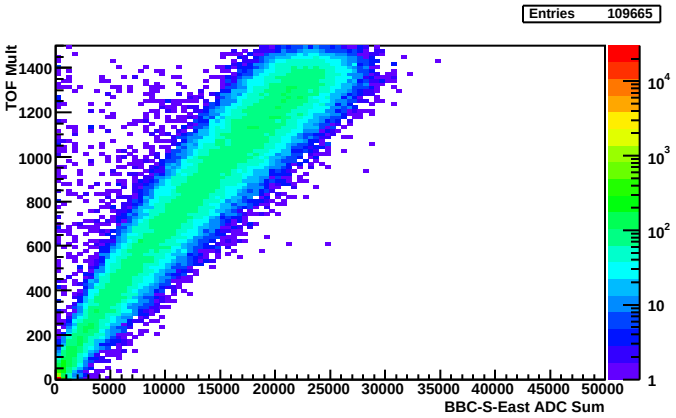

BBQ-VP003 (HI threshold)
Entries 1754640
TAC
QT Input Channel

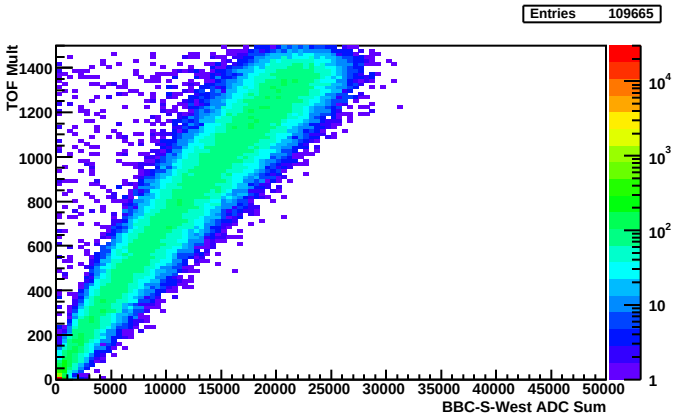

BBQ-VP004 (HI threshold)
Entries 1754640
ADC
QT Input Channel

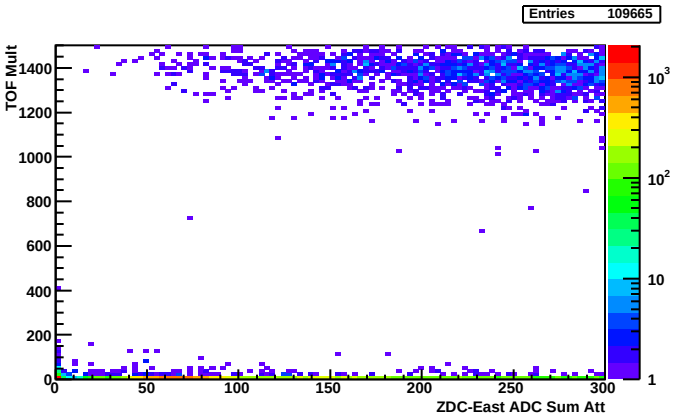

BBQ-VP004 (HI threshold)
Entries 1754640
TAC
QT Input Channel

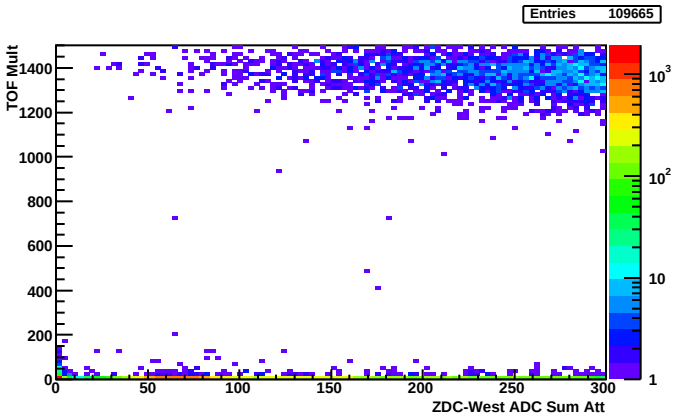

Entries 109665
TOF Mult
BBC-L-East ADC Sum

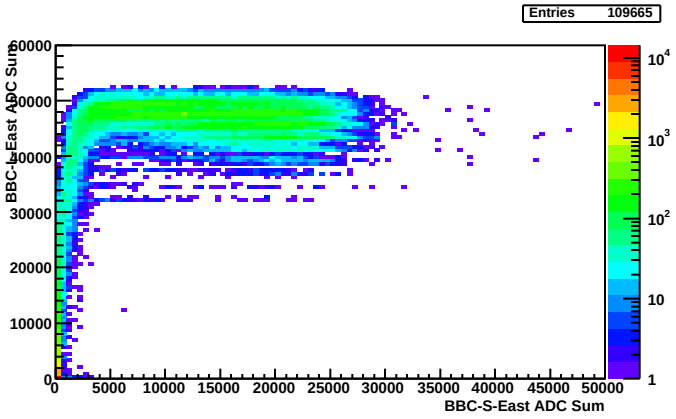

Entries 109665
TOF Mult
BBC-L-West ADC Sum

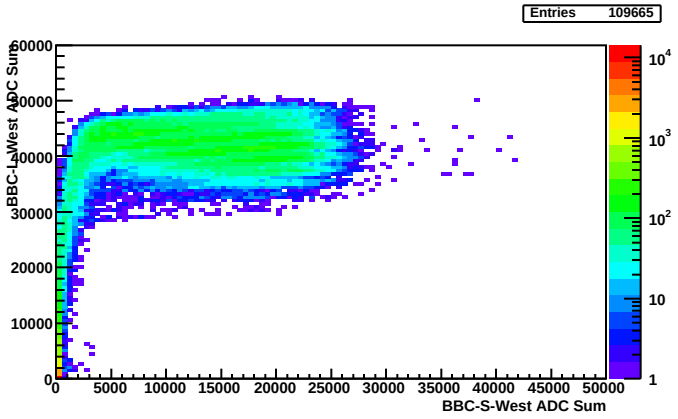

Entries 109665
TOF Mult
BBC-S-East ADC Sum

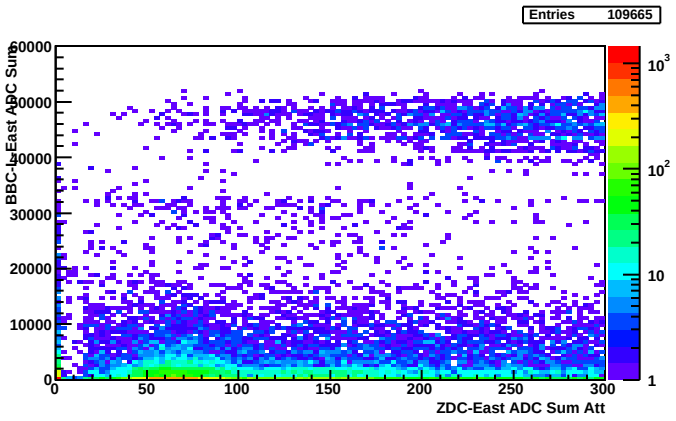

Entries 109665
TOF Mult
BBC-S-West ADC Sum

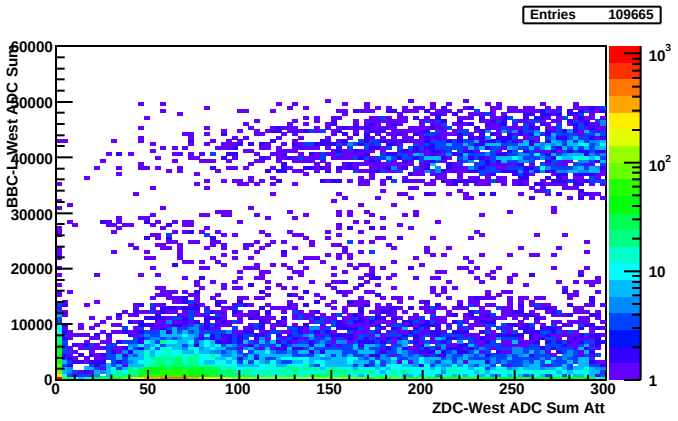

Entries 109665
TOF Mult
ZDC-East ADC Sum Att

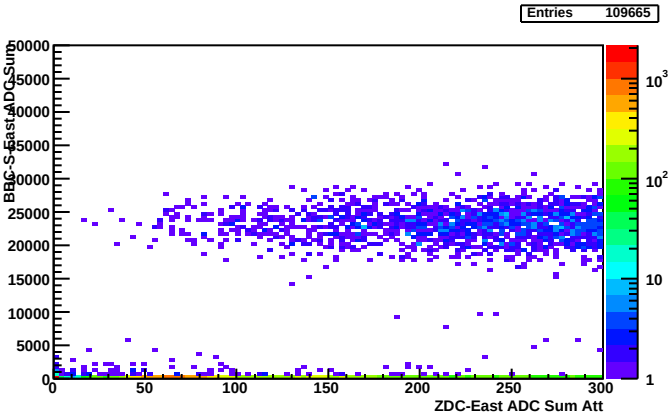

Entries 109665
TOF Mult
ZDC-West ADC Sum Att

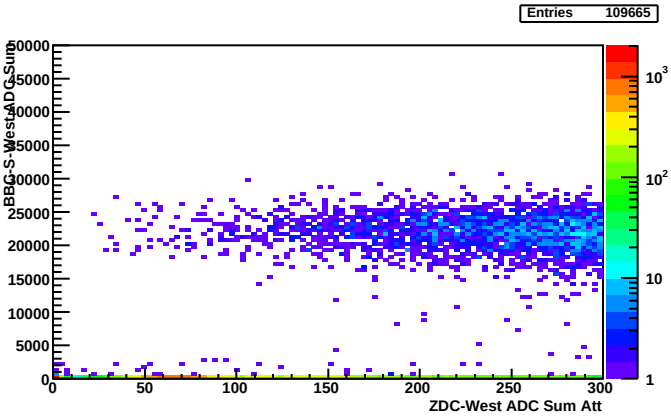

Entries 109665
BBC-L-East ADC Sum
BBC-S-East ADC Sum

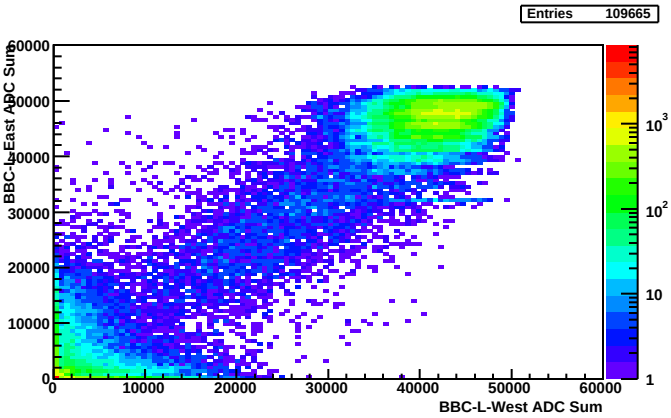

Entries 109665
BBC-L-West ADC Sum
BBC-S-West ADC Sum

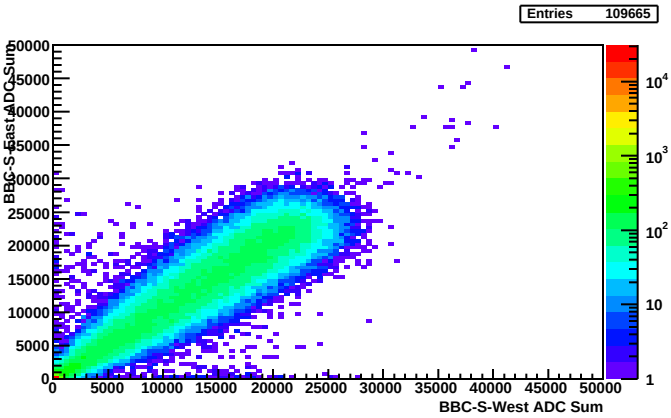

Entries 109665
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

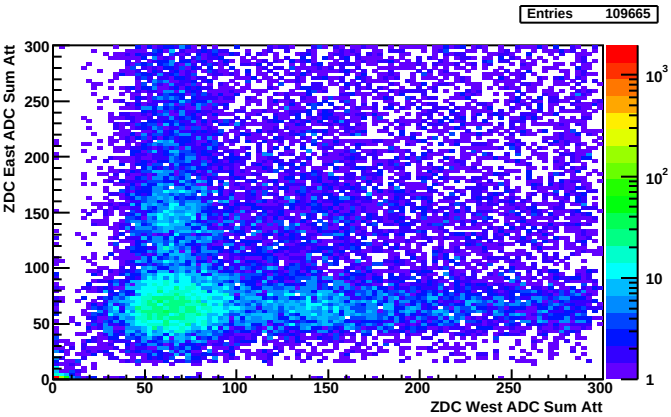

Entries 109665
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

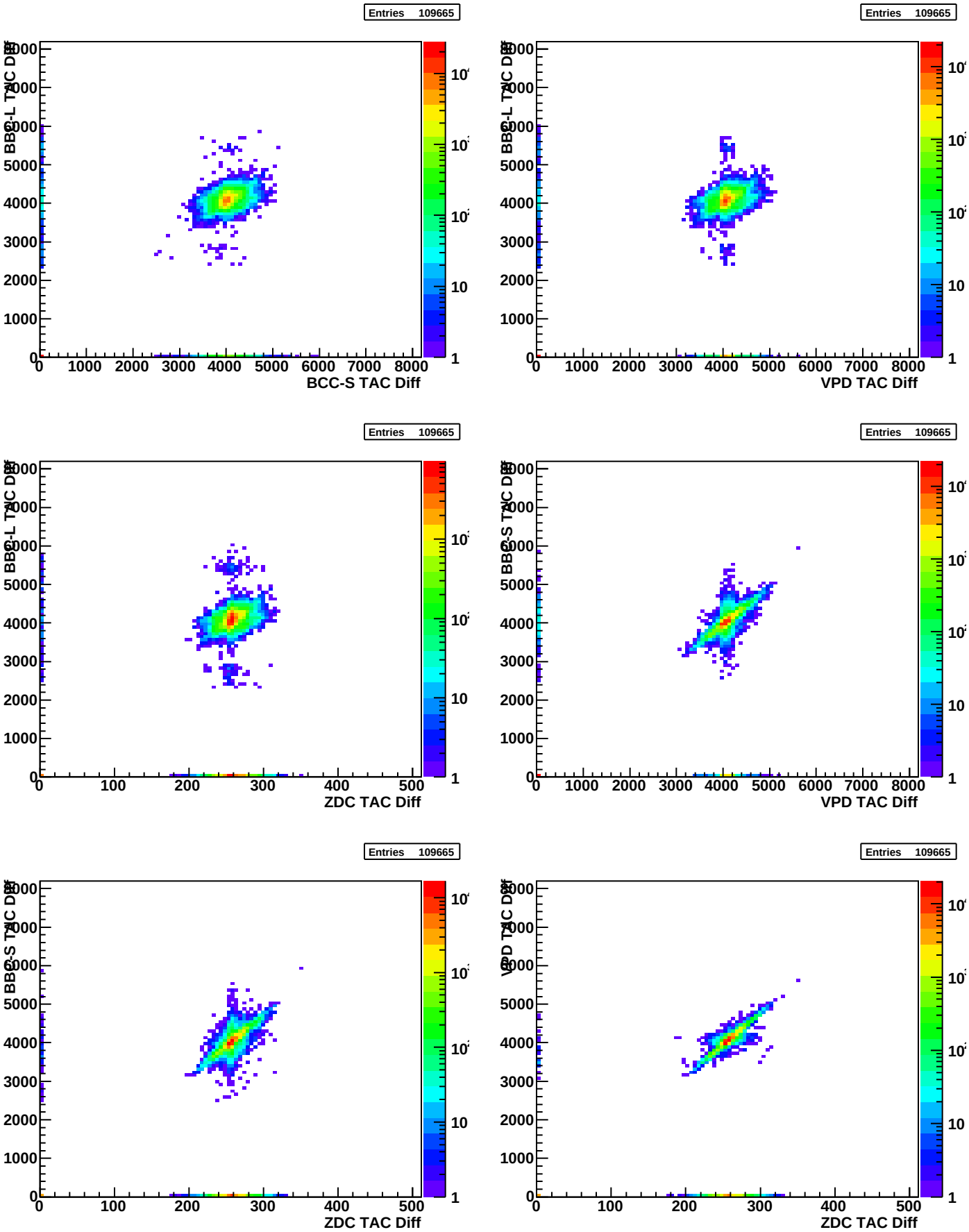

Entries 109665
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

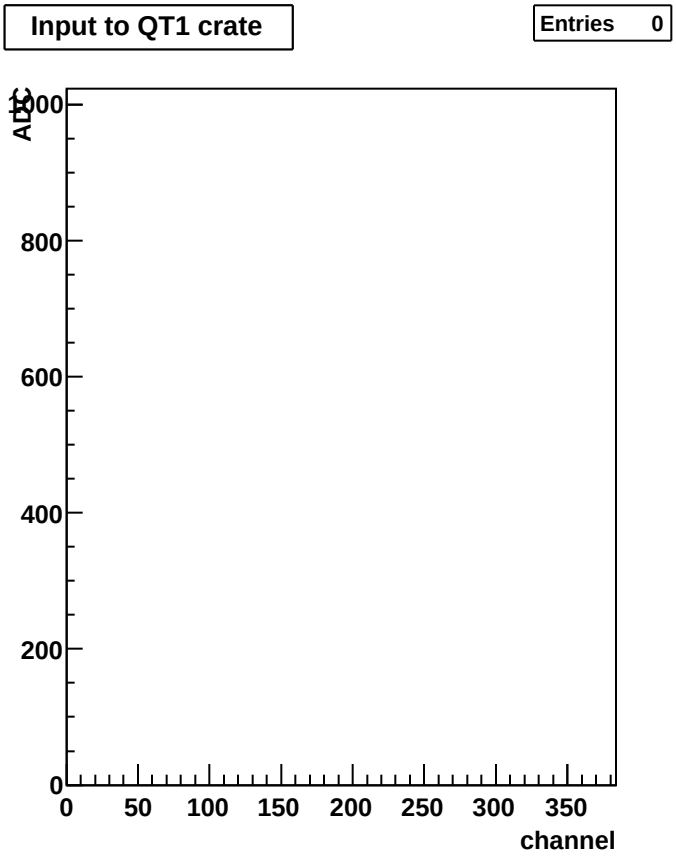

Entries 109665
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

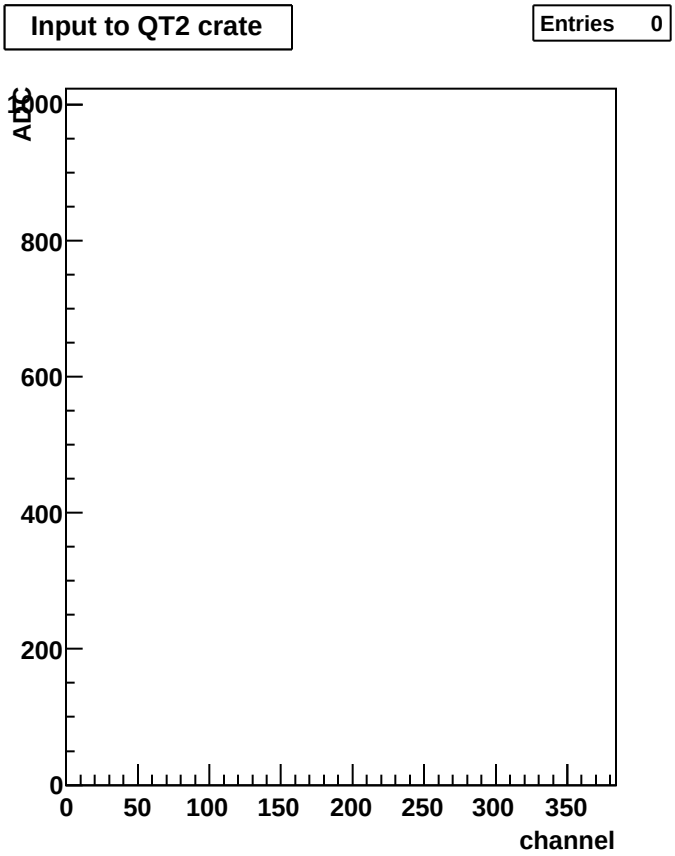

Entries 109665
BBC-L-East ADC Sum
BBC-L-West ADC Sum

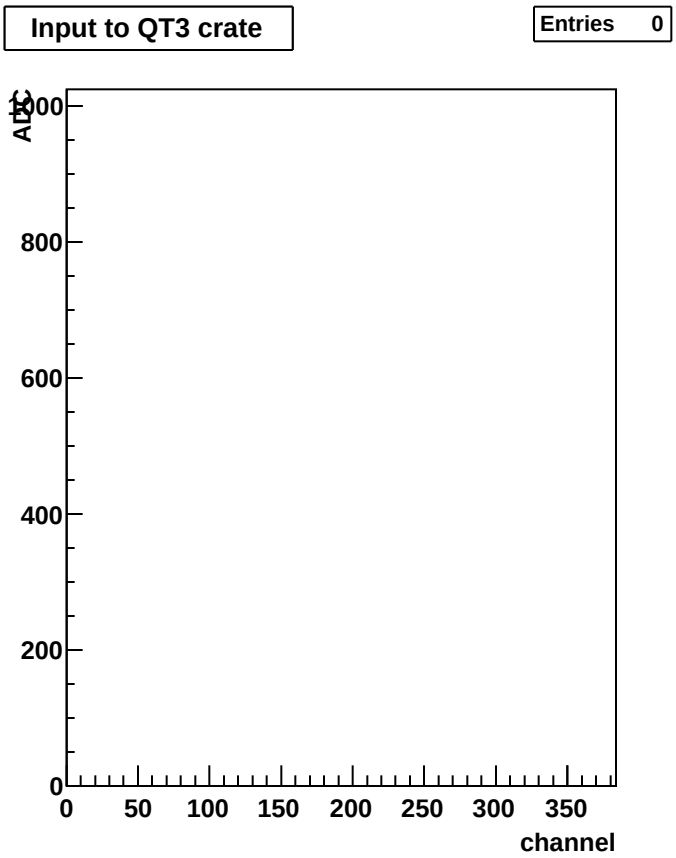

Entries 109665
BBC-S-East ADC Sum
BBC-S-West ADC Sum

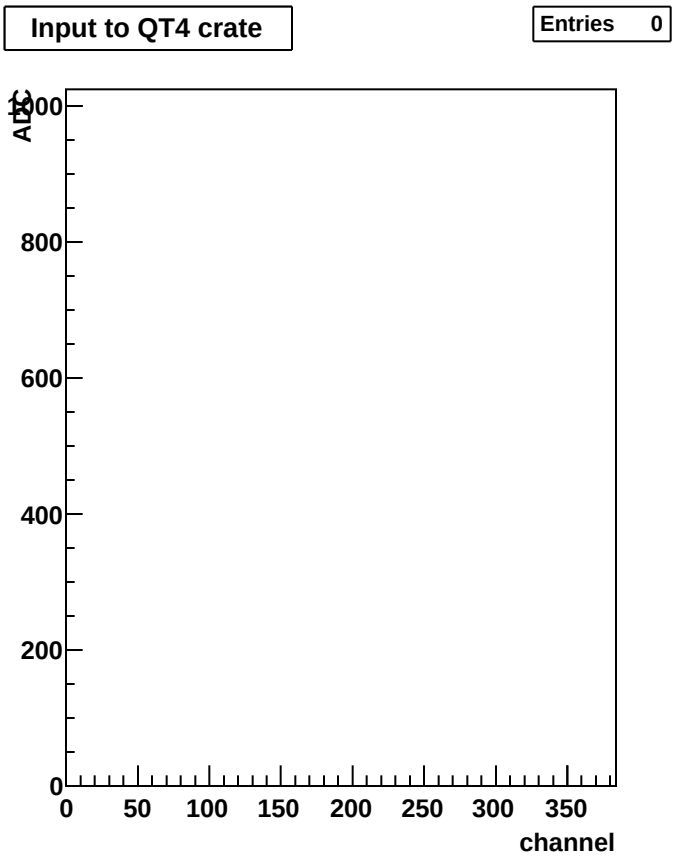

Entries 109665
ZDC East ADC Sum Att
ZDC West ADC Sum Att

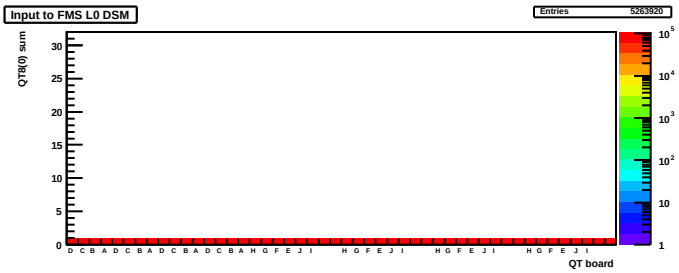

Entries 109665
BBC-L TAC Diff
BCC-S TAC Diff
VPD TAC Diff
ZDC TAC Diff
BBC-S TAC Diff

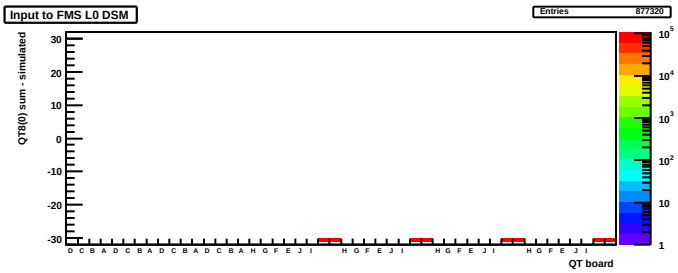

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

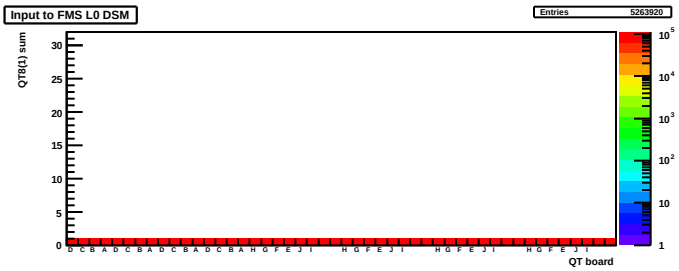

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

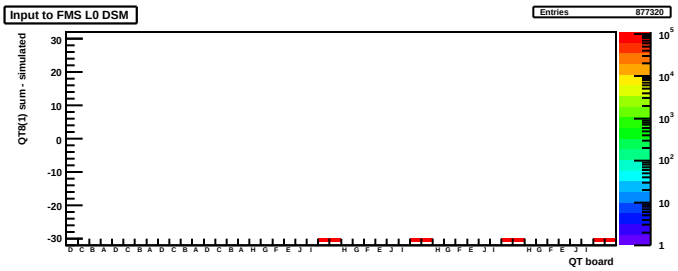

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

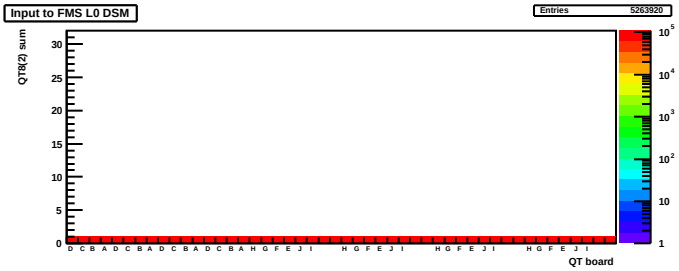

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

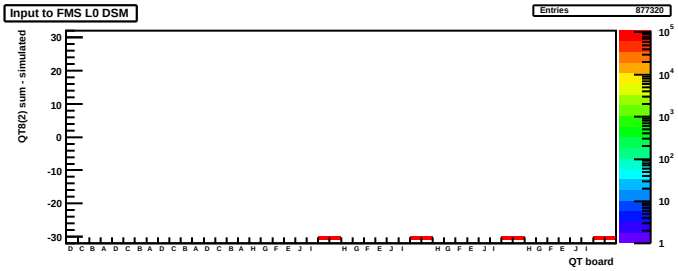

Input to FMS L0 DSM
Entries 5263920
QT8(0) sum
QT board

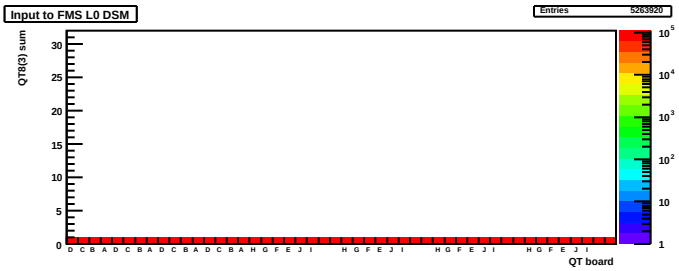

Input to FMS L0 DSM
Entries 877320
QT8(0) sum - simulated
QT board

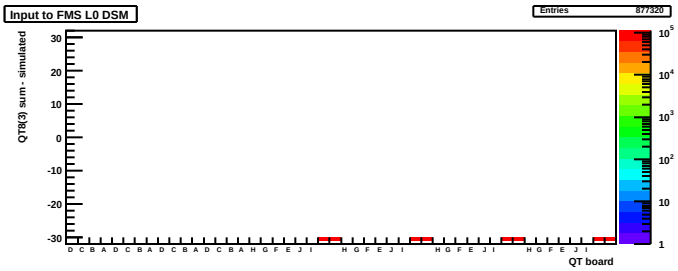

Input to FMS L0 DSM
Entries 5263920
QT8(1) sum
QT board

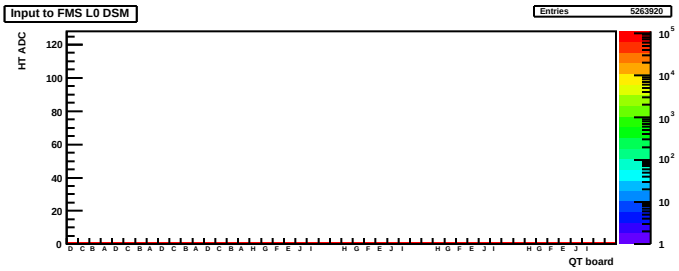

Input to FMS L0 DSM
Entries 877320
QT8(1) sum - simulated
QT board

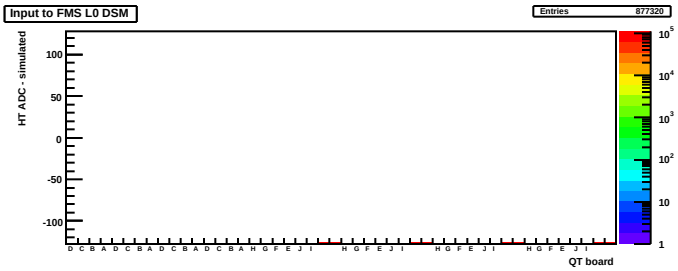

Input to FMS L0 DSM
Entries 5263920
QT8(2) sum
QT board

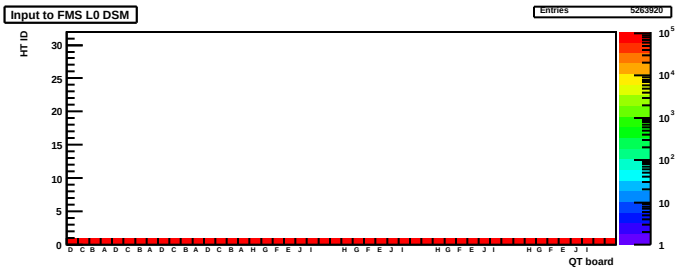

Input to FMS L0 DSM
Entries 877320
QT8(2) sum - simulated
QT board

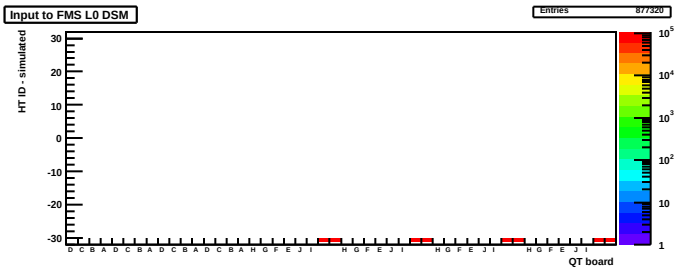

Input to FMS L0 DSM
Entries 5263920
QT8(3) sum
QT board

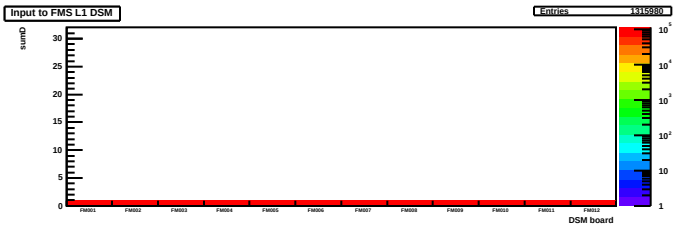

Input to FMS L0 DSM
Entries 877320
QT8(3) sum - simulated
QT board

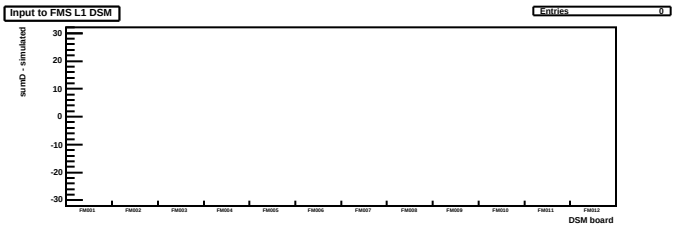

Input to FMS L0 DSM
Entries 5263920
HT ADC
QT board

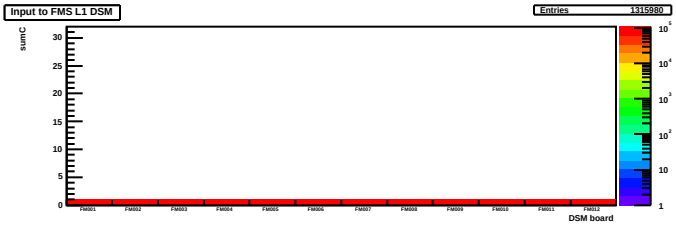

Input to FMS L0 DSM
Entries 877320
HT ADC - simulated
QT board

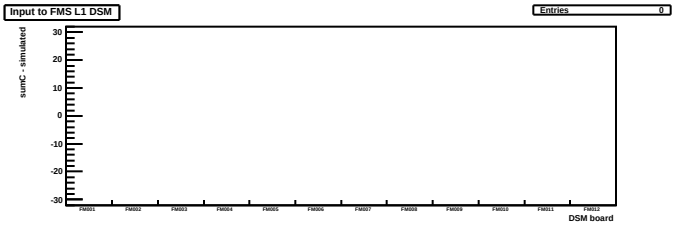

Input to FMS L0 DSM
Entries 5263920
HT ID
QT board

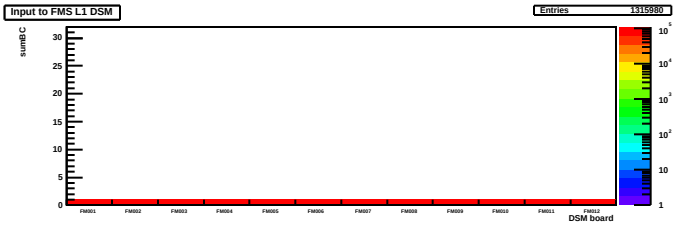

Input to FMS L0 DSM
Entries 877320
HT ID - simulated
QT board

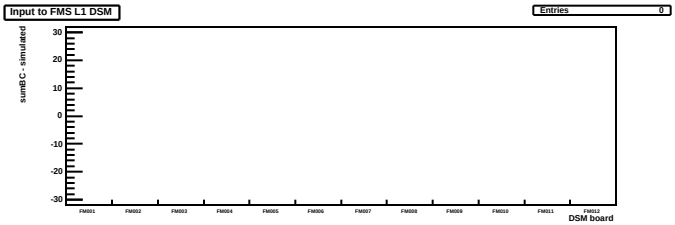

Input to FMS L1 DSM
Entries 1315980
sumD
DSM board

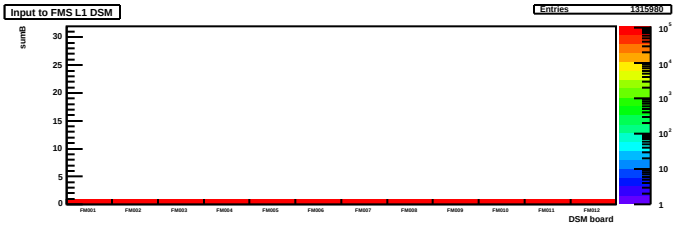

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

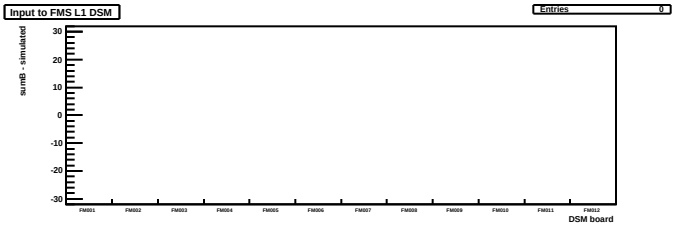

Input to FMS L1 DSM
Entries 1315980
sumC
DSM board

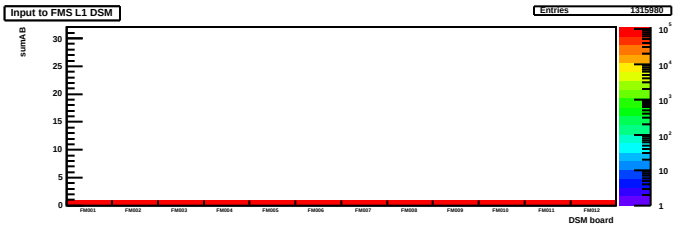

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

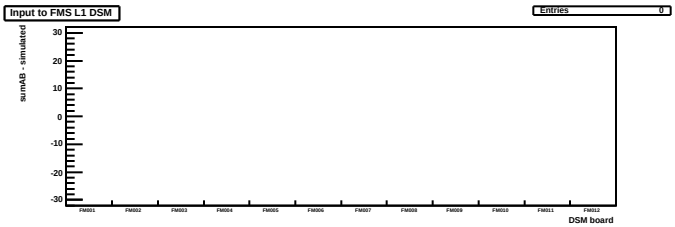

Input to FMS L1 DSM
Entries 1315980
sumBC
DSM board

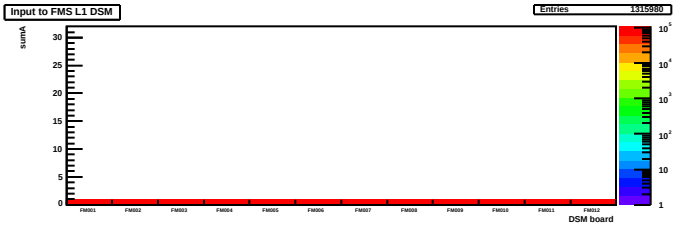

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

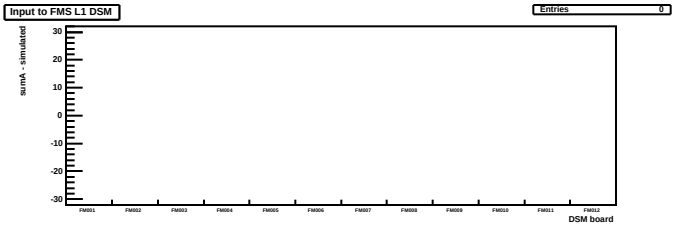

Input to FMS L1 DSM
Entries 1315980
sumB
DSM board

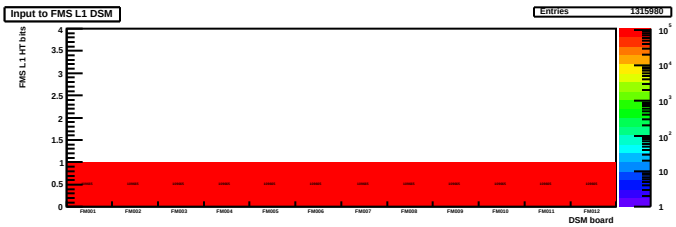

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

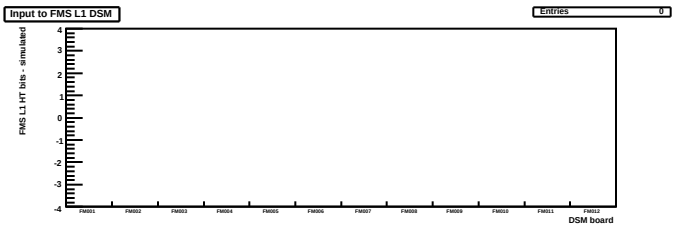

Input to FMS L1 DSM
Entries 1315980
sumAB
DSM board

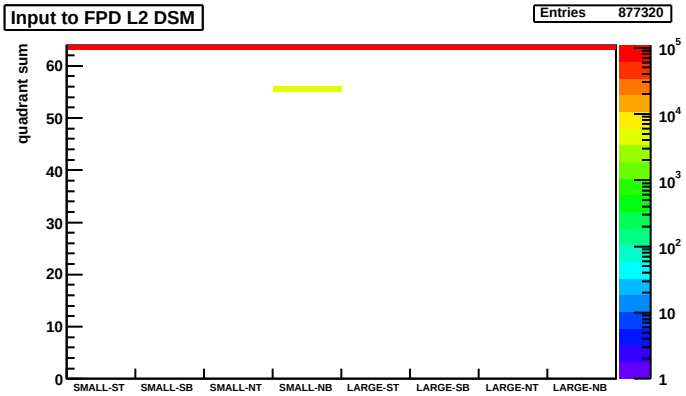

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

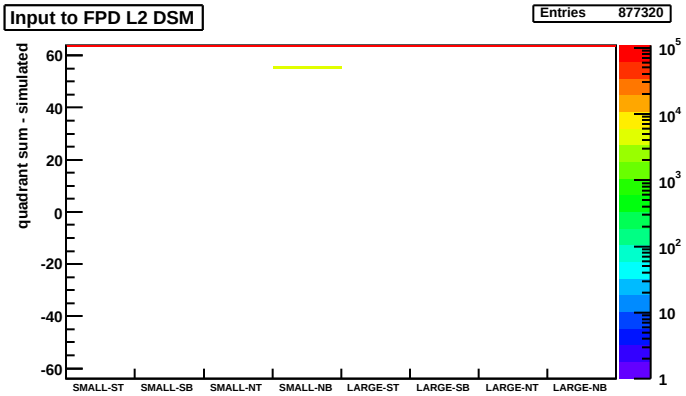

Input to FMS L1 DSM
Entries 1315980
sumA
DSM board

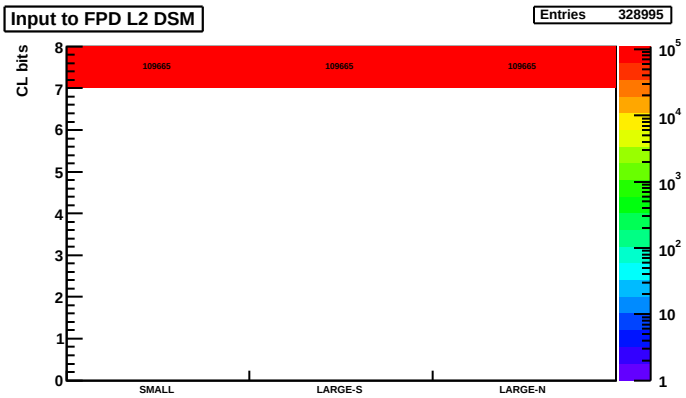

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

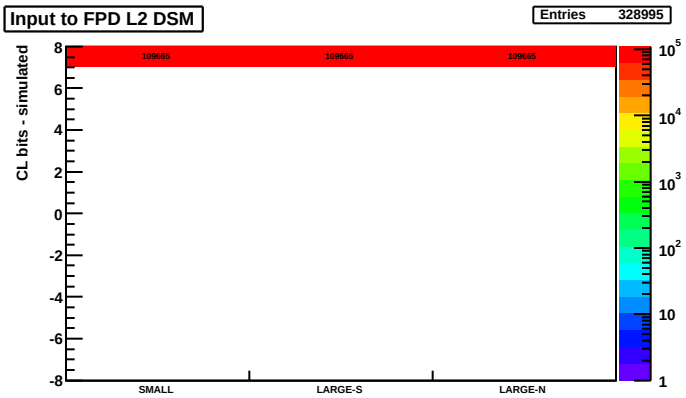

Input to FMS L1 DSM
Entries 1315980
FMS L1 HT bits
DSM board

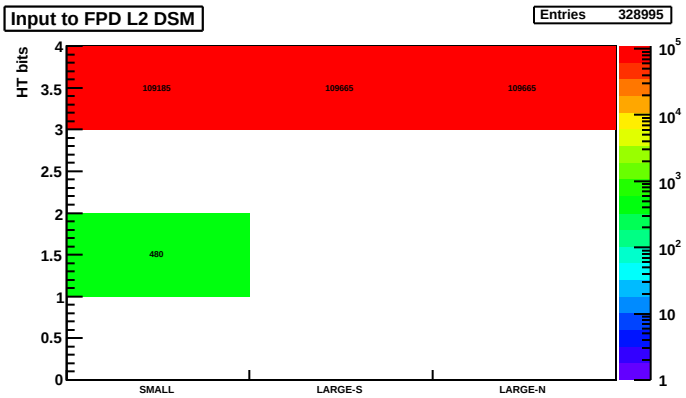

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

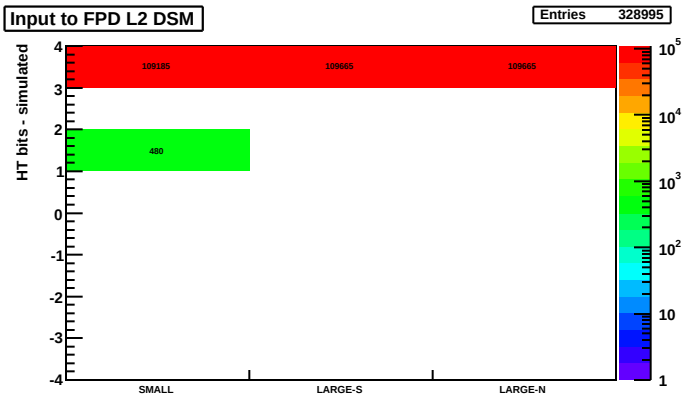

Input to FPD L2 DSM
Entries 877320
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

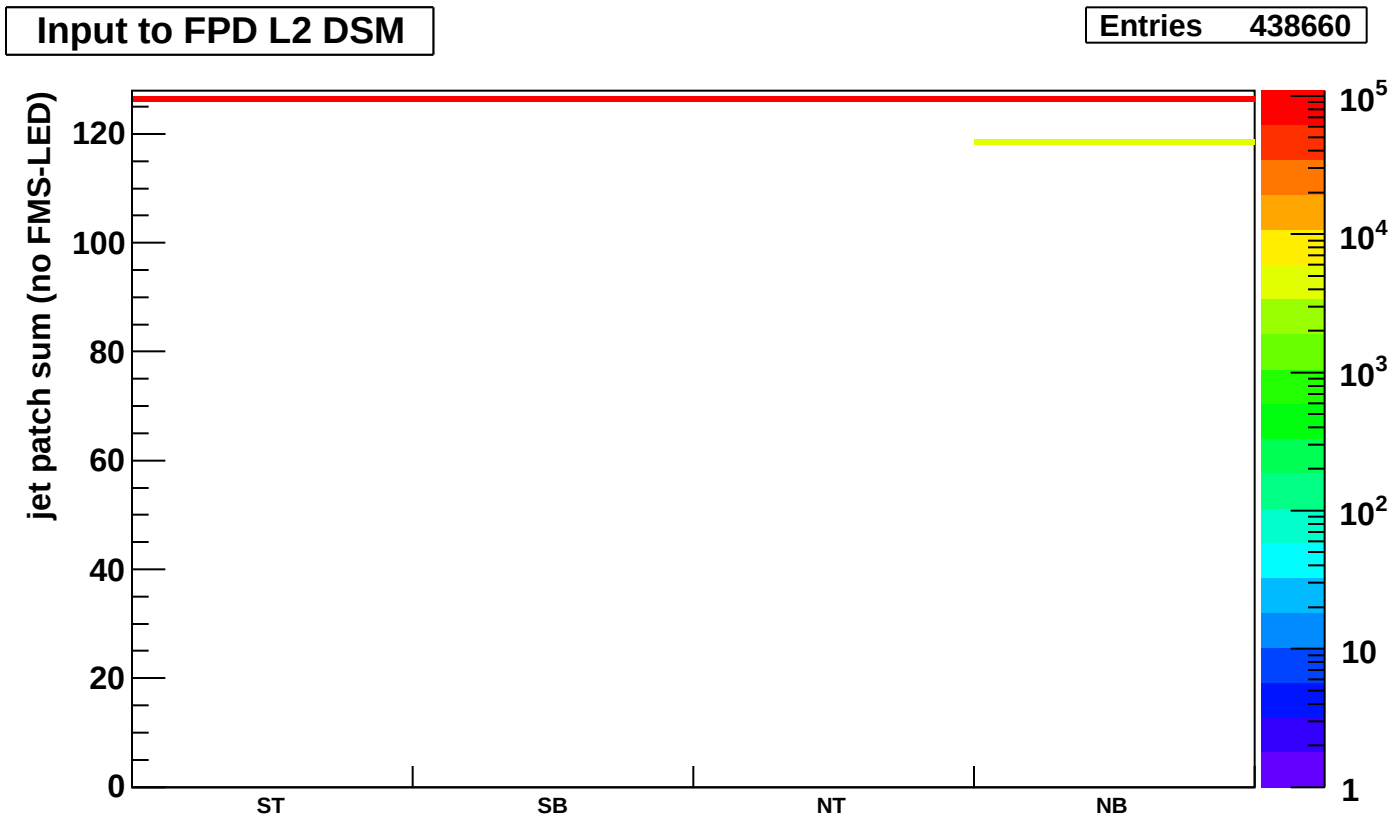

Input to FPD L2 DSM
Entries 877320
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

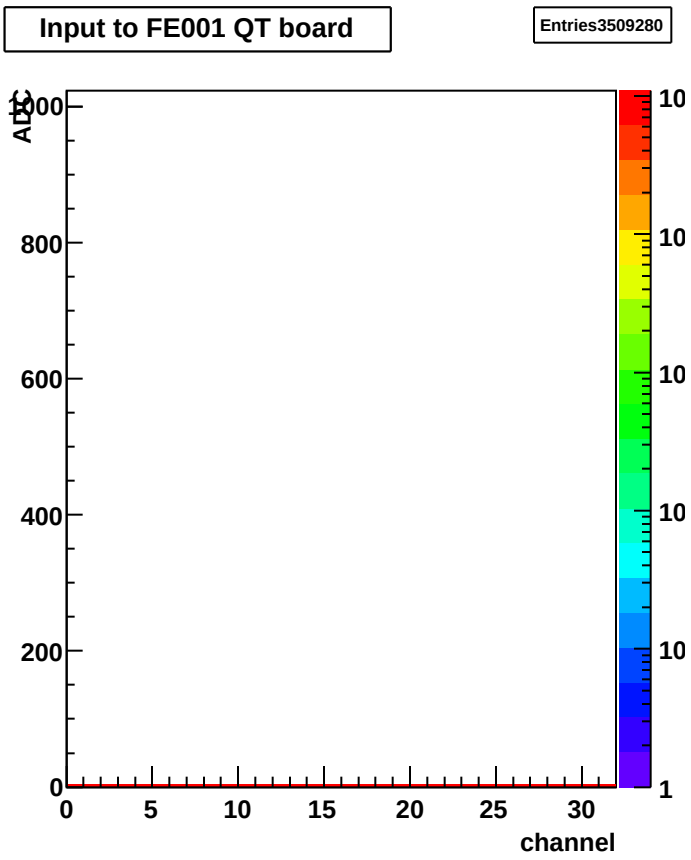

Input to FPD L2 DSM
Entries 328995
CL bits
109665
109665
109665
SMALL
LARGE-S
LARGE-N

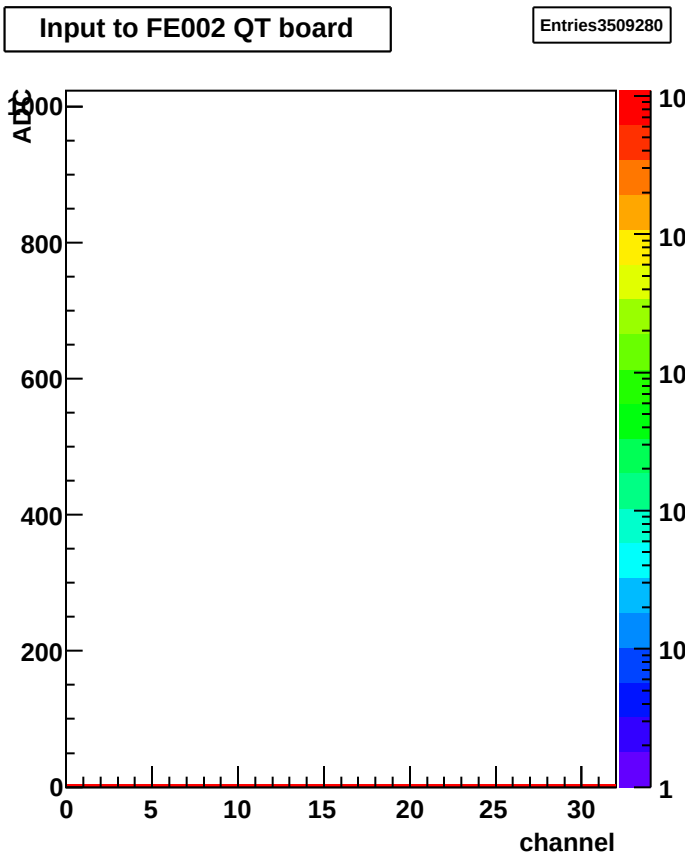

Input to FPD L2 DSM
Entries 328995
CL bits - simulated
109665
109665
109665
SMALL
LARGE-S
LARGE-N

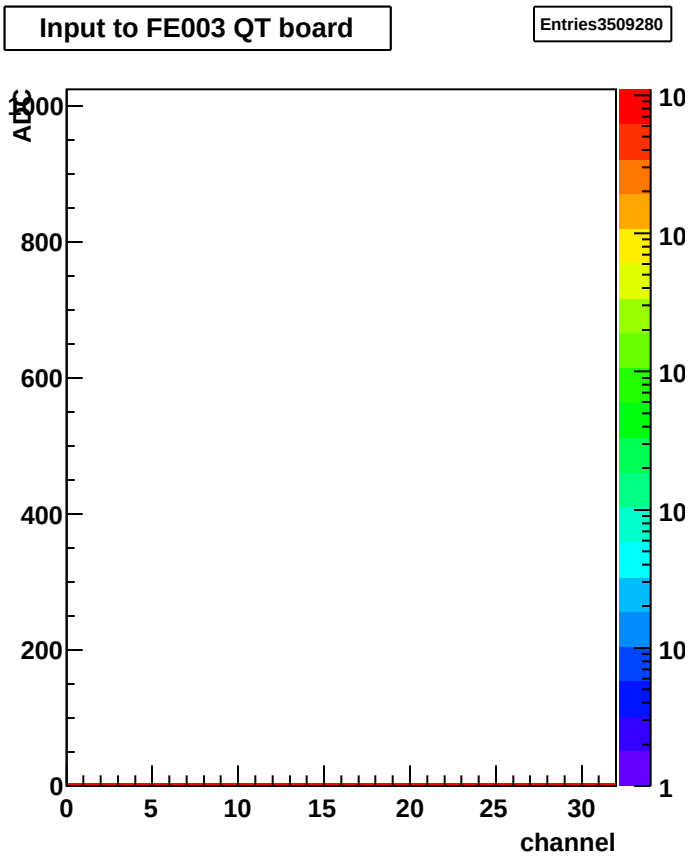

Input to FPD L2 DSM
Entries 328995
HT bits
109185
109665
109665
480
SMALL
LARGE-S
LARGE-N

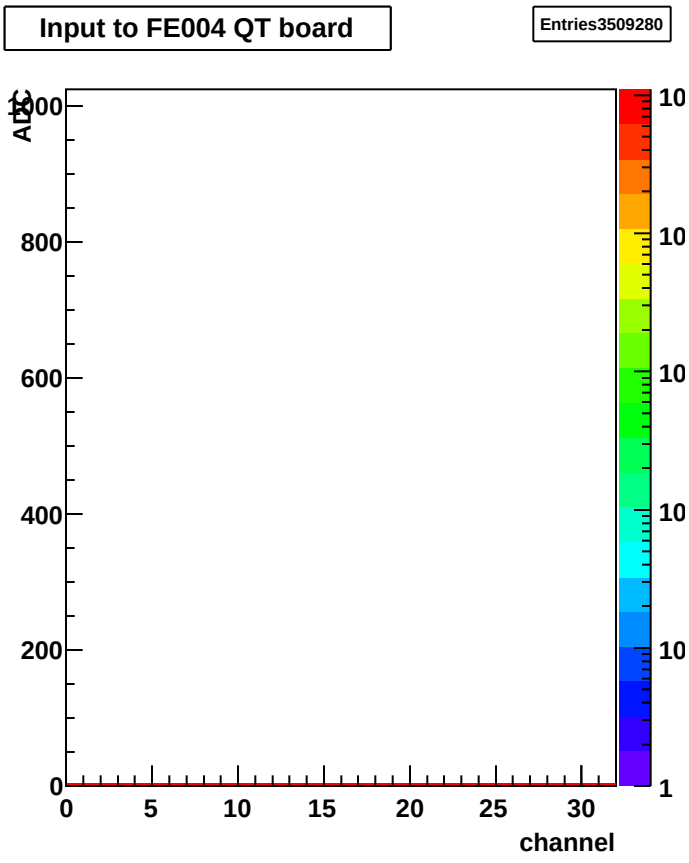

Input to FPD L2 DSM
Entries 328995
HT bits - simulated
109185
109665
109665
480
SMALL
LARGE-S
LARGE-N

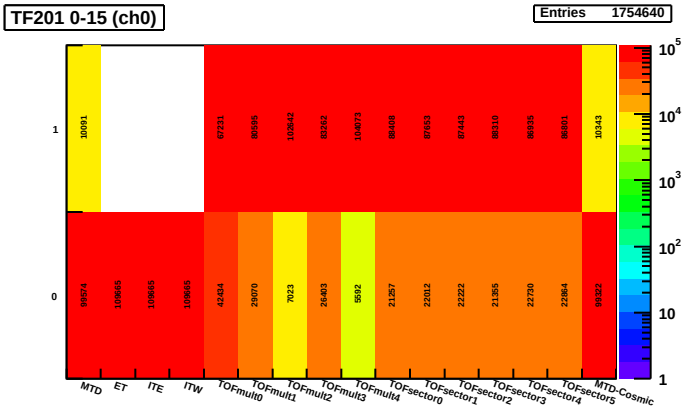

Input to FPD L2 DSM
Entries 438660
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

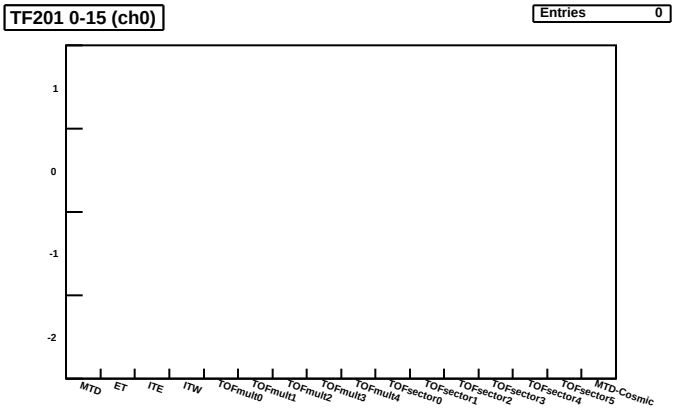

Input to FE001 QT board
Entries3509280
ADC
channel

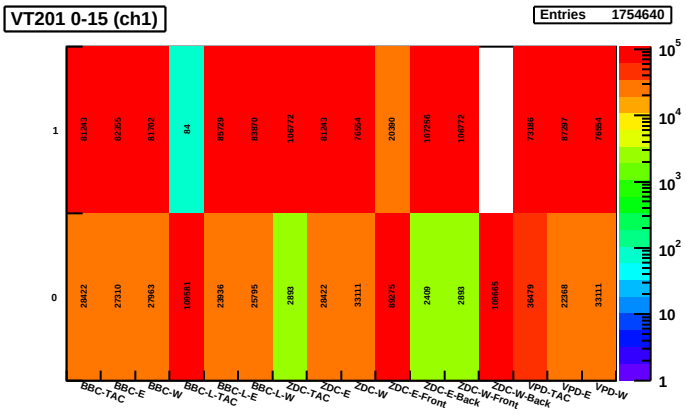

Input to FE002 QT board
Entries3509280
ADC
channel

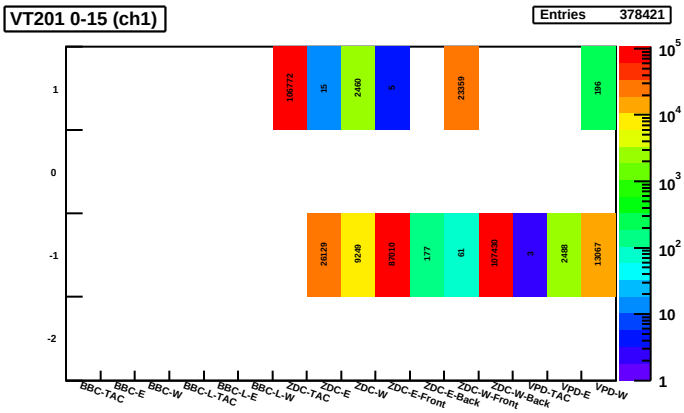

Input to FE003 QT board
Entries3509280
ADC
channel

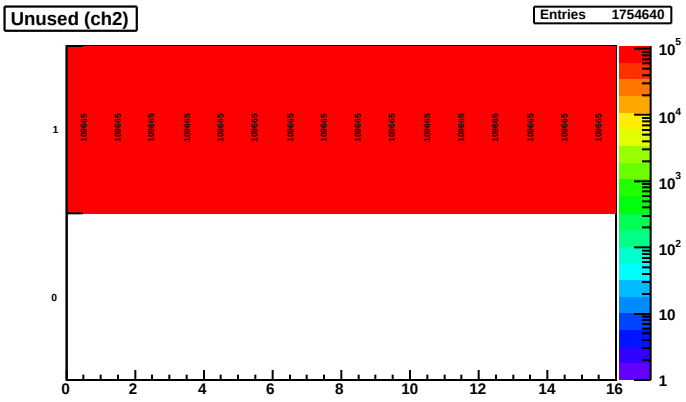

Input to FE004 QT board
Entries3509280
ADC
channel

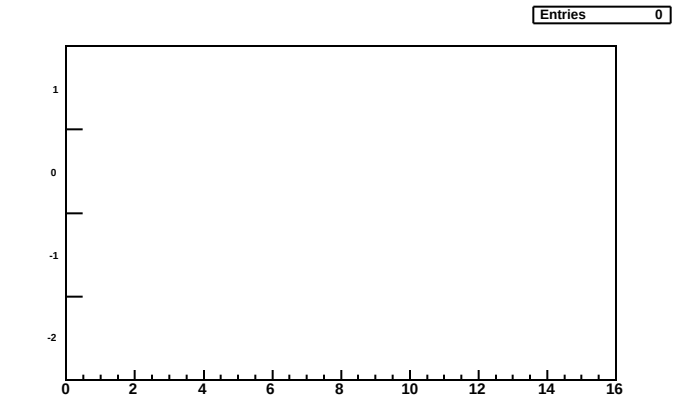

TF201 0-15 (ch0)
Entries 1754640
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

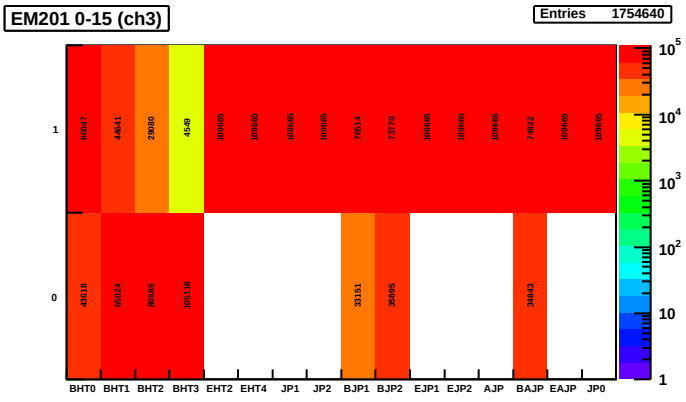

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

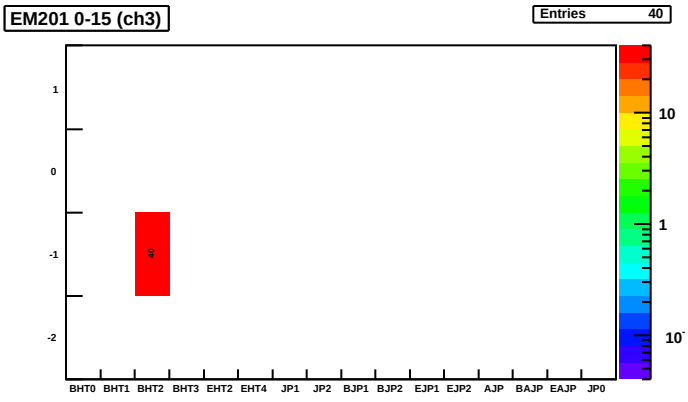

VT201 0-15 (ch1)
Entries 1754640
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

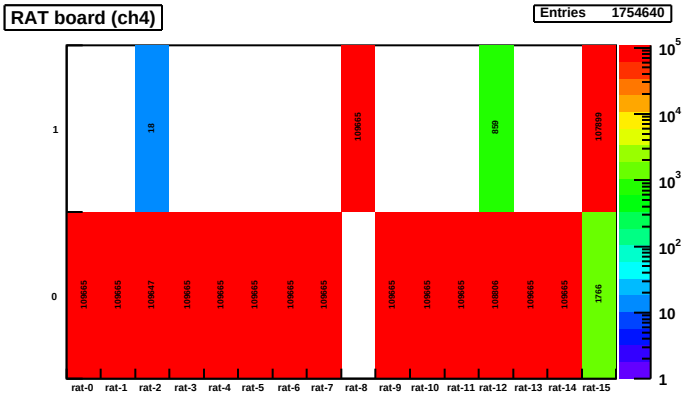

VT201 0-15 (ch1)
Entries 378421
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

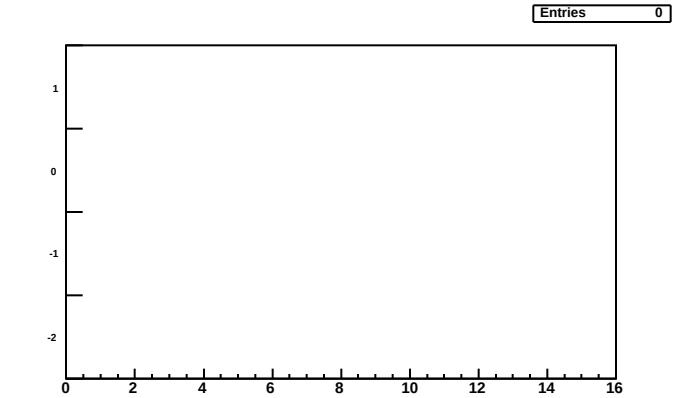

Unused (ch2)
Entries 1754640

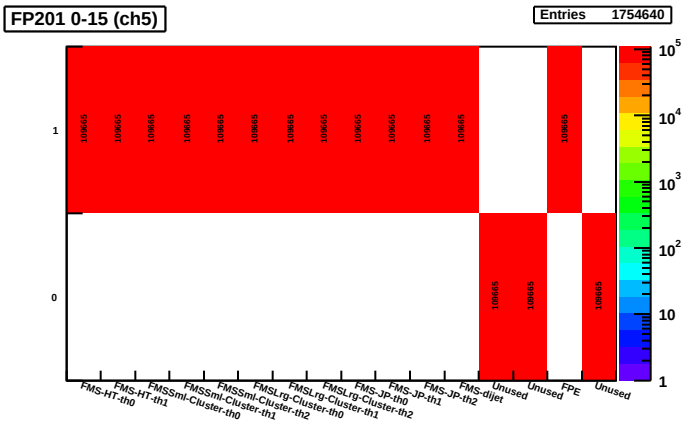

Entries 0

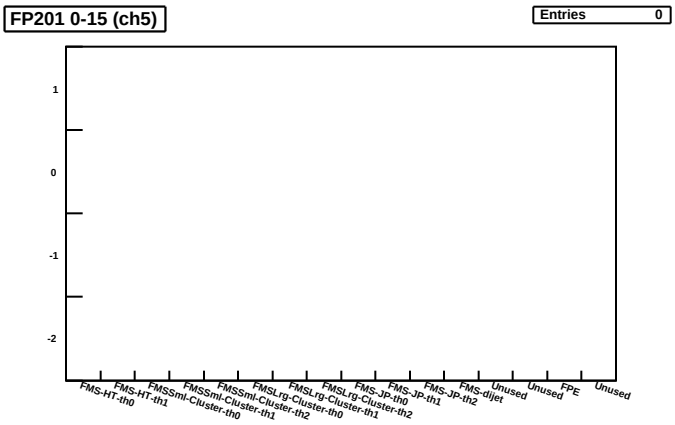

EM201 0-15 (ch3)
Entries 1754640
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

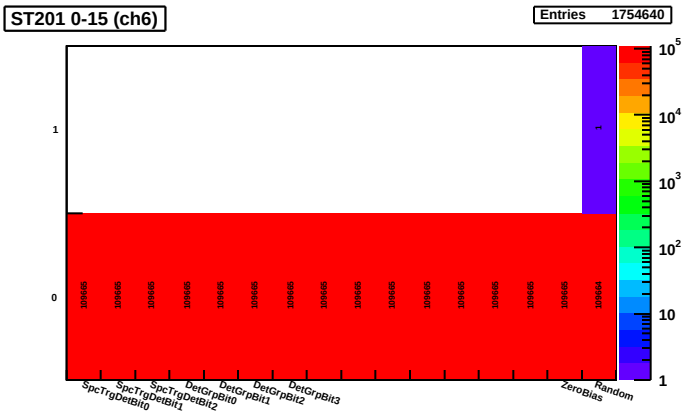

EM201 0-15 (ch3)
Entries 40
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

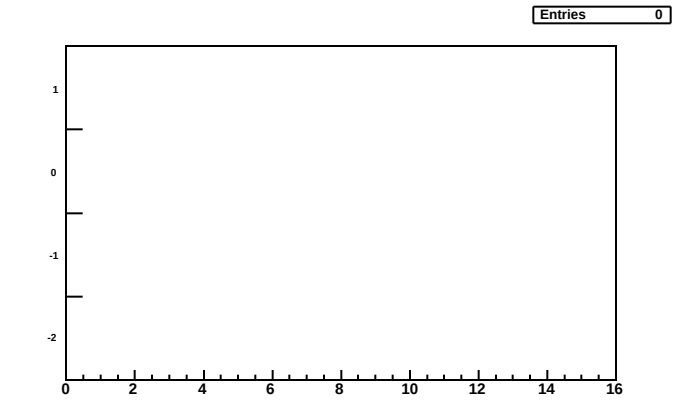

RAT board (ch4)
Entries 1754640
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

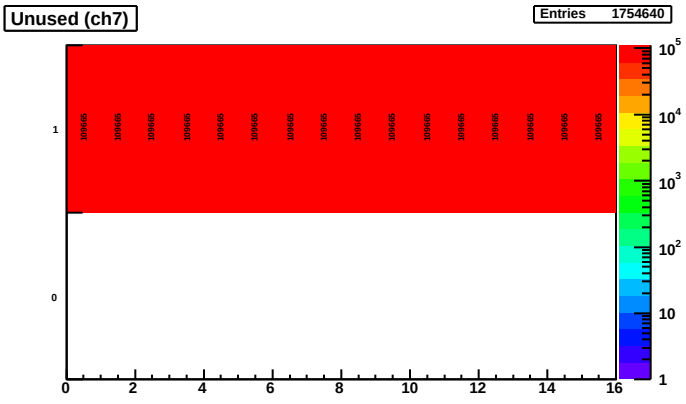

Entries 0

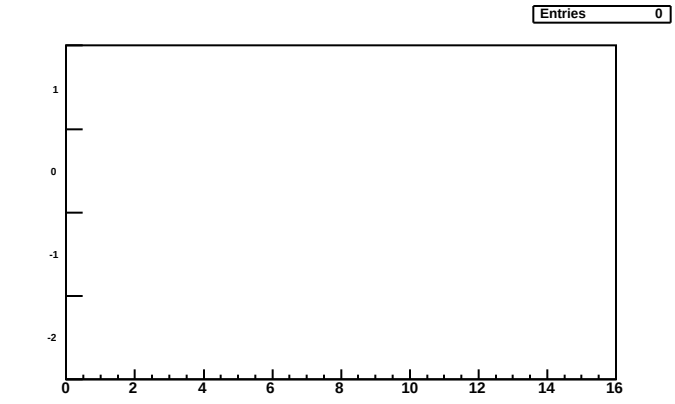

FP201 0-15 (ch5)
Entries 1754640
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused


FP201 0-15 (ch5)
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 1754640
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0


Unused (ch7)
Entries 1754640


Entries 0