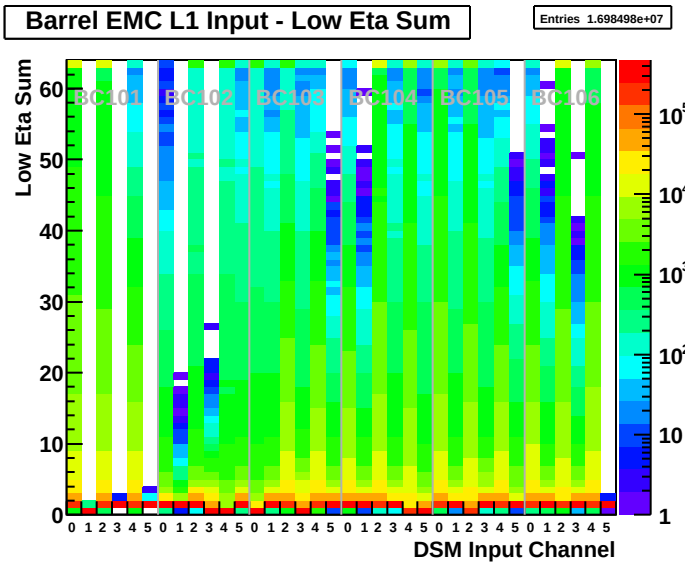
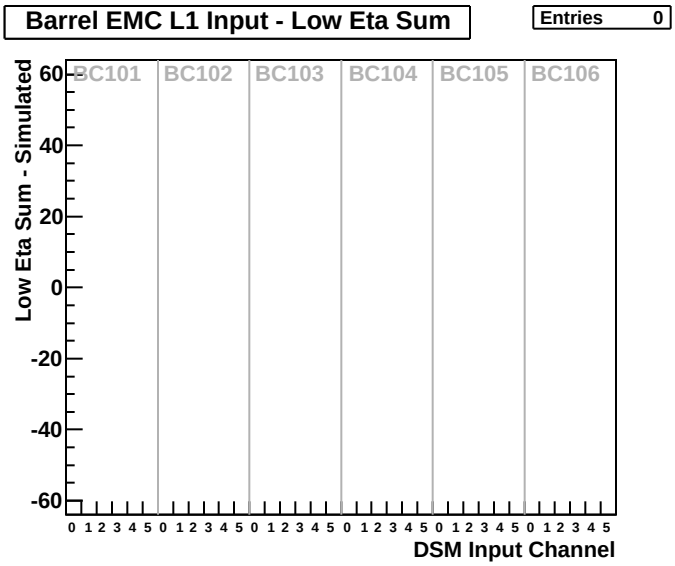
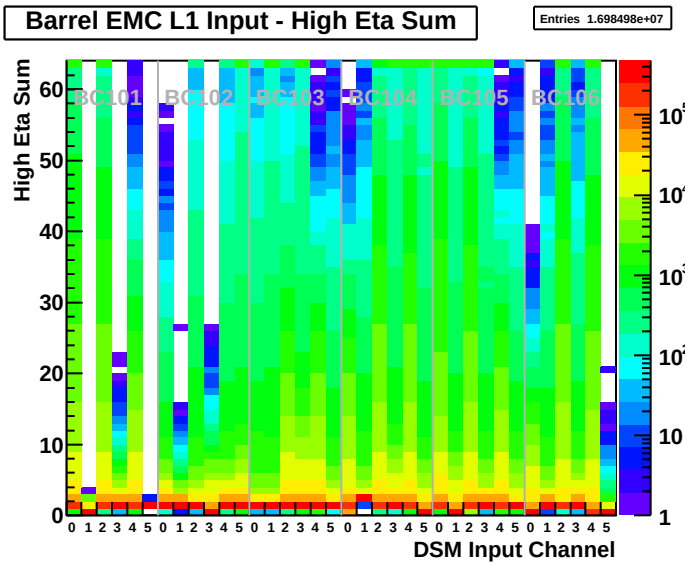
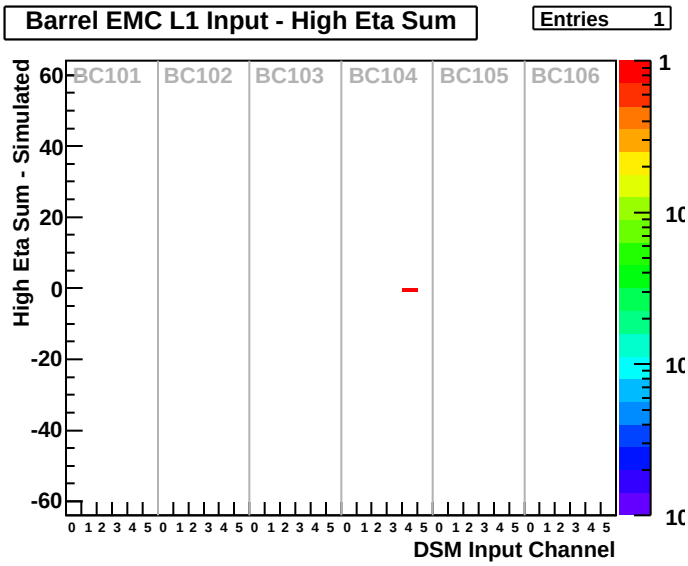
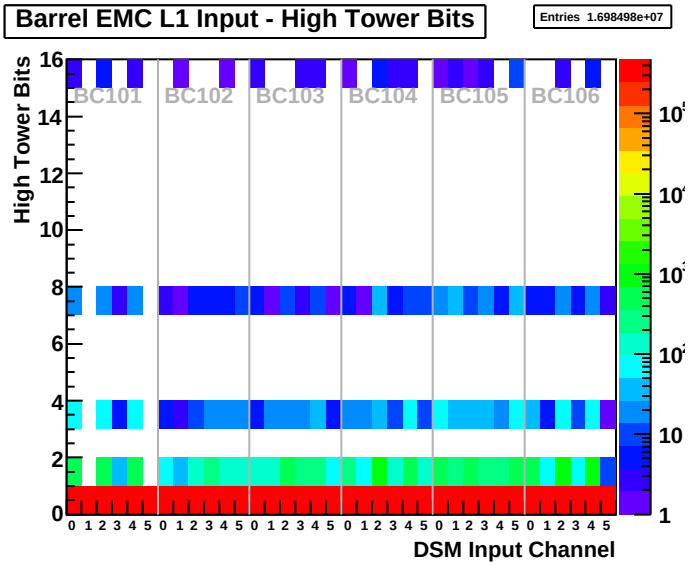
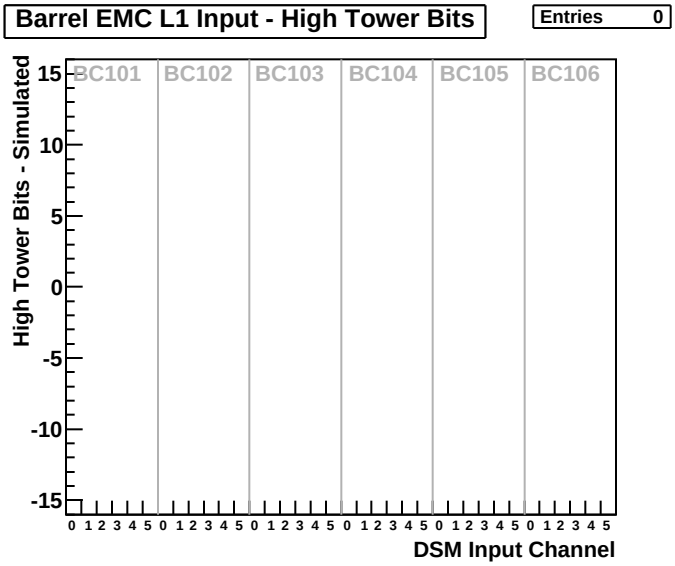

Barrel EMC L1 Input - Low Eta Sum
Entries 1.698498e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

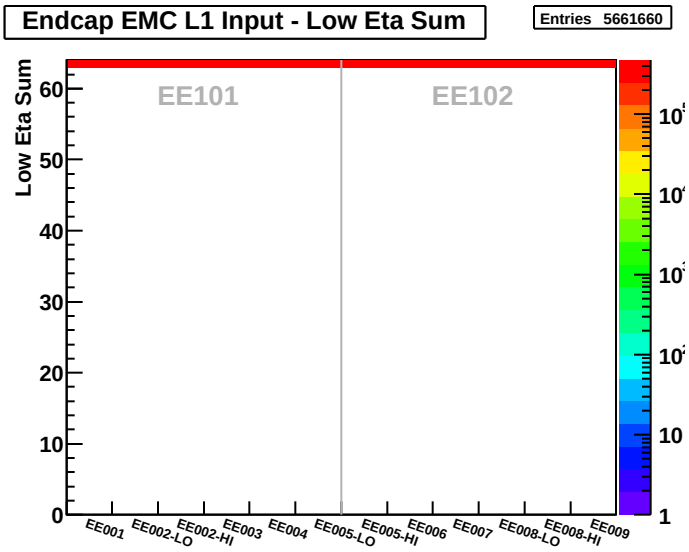

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

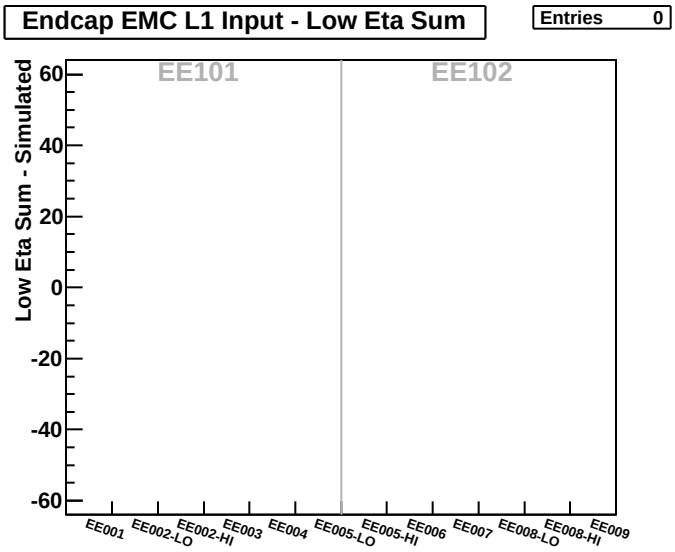

Barrel EMC L1 Input - High Eta Sum
Entries 1.698498e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

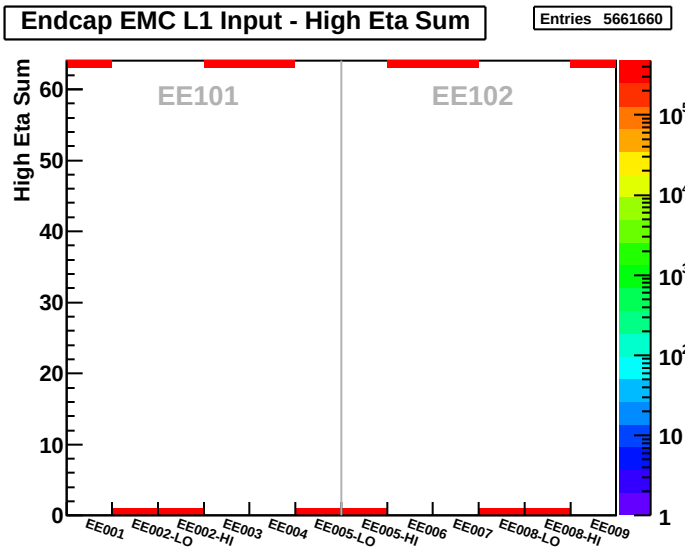

Barrel EMC L1 Input - High Eta Sum
Entries 1
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

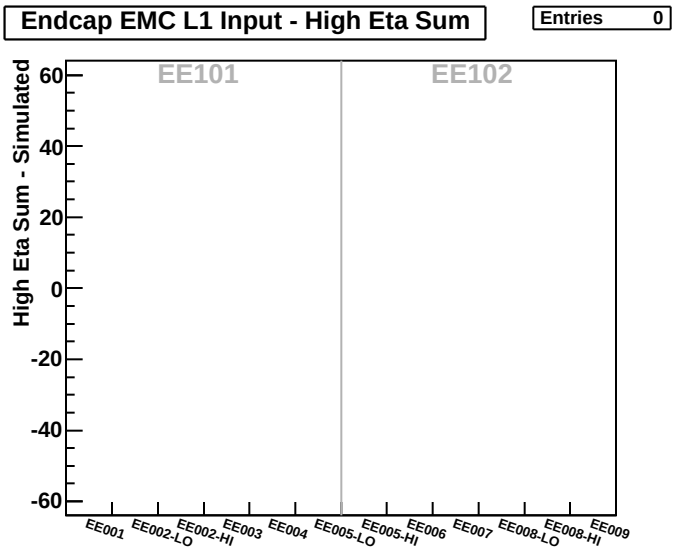

Barrel EMC L1 Input - High Tower Bits
Entries 1.698498e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

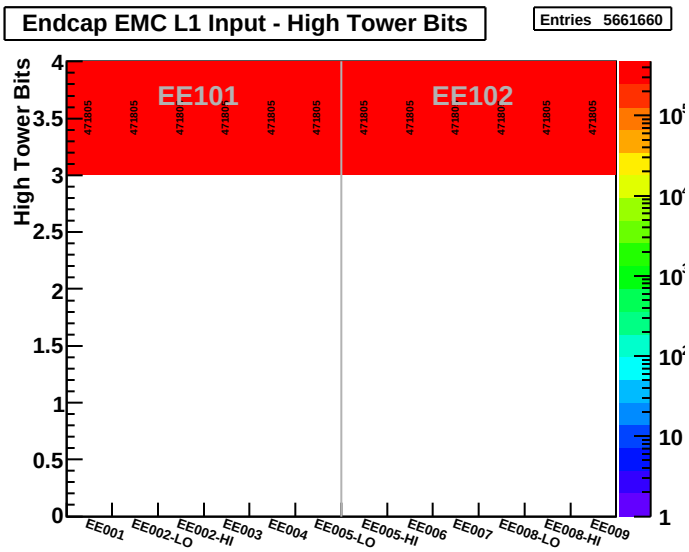

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

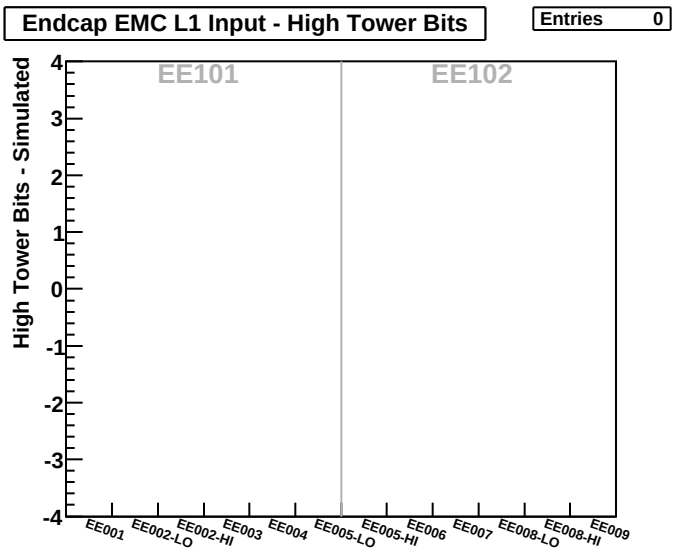

Endcap EMC L1 Input - Low Eta Sum
Entries 5661660
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

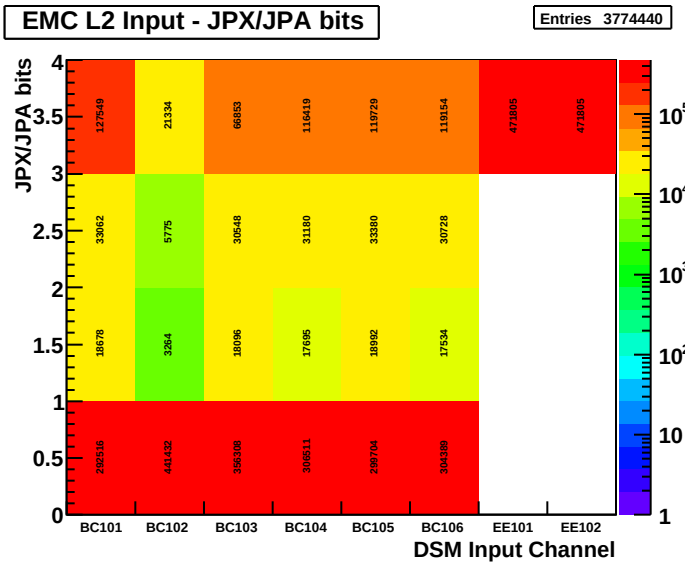

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

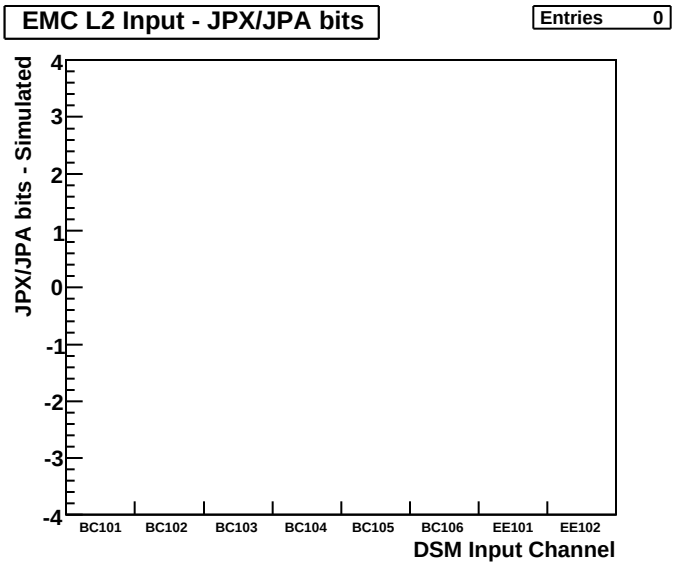

Endcap EMC L1 Input - High Eta Sum
Entries 5661660
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

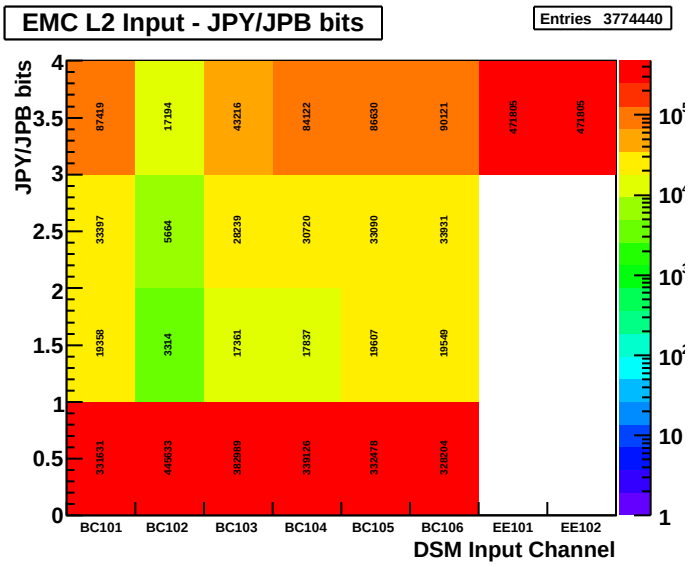

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

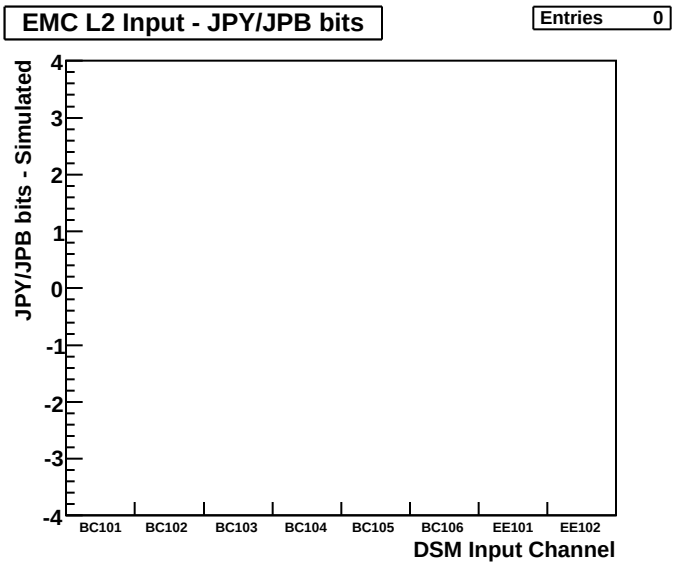

Endcap EMC L1 Input - High Tower Bits
Entries 5661660
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

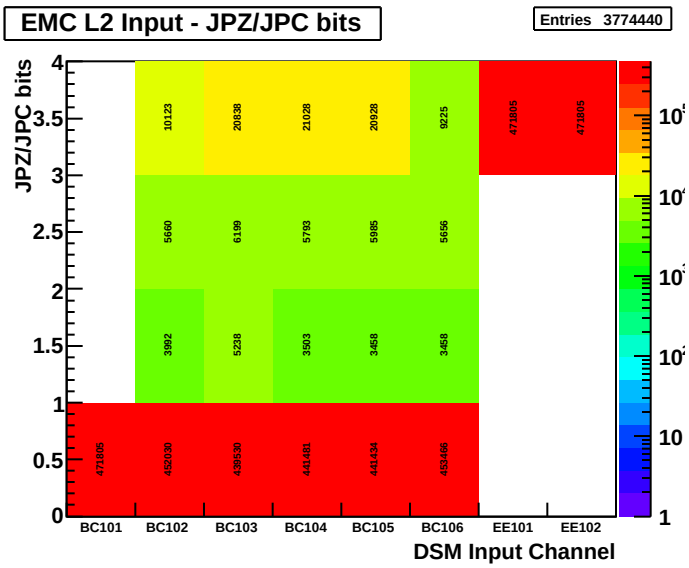

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

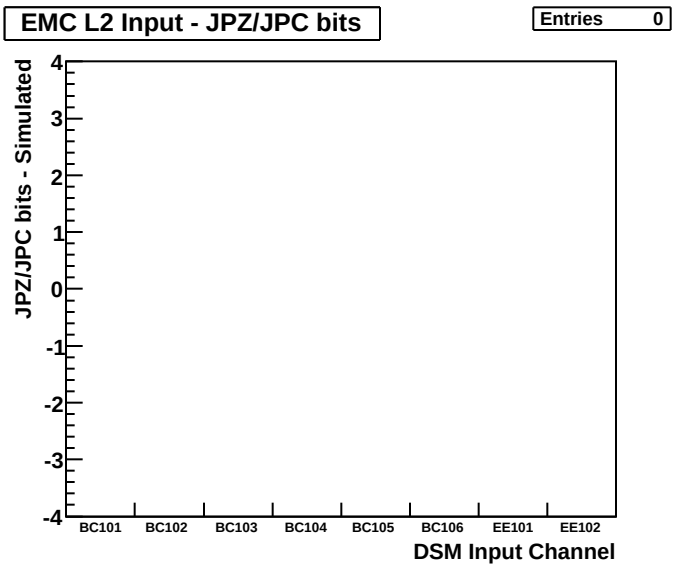

EMC L2 Input - JPX/JPA bits
Entries 3774440
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
127549 21334 66853 116419 119729 119154 471805 471805
33062 5775 30548 31180 33380 30728
18678 3264 18096 17695 18992 17534
292516 441432 358308 306511 299704 304389

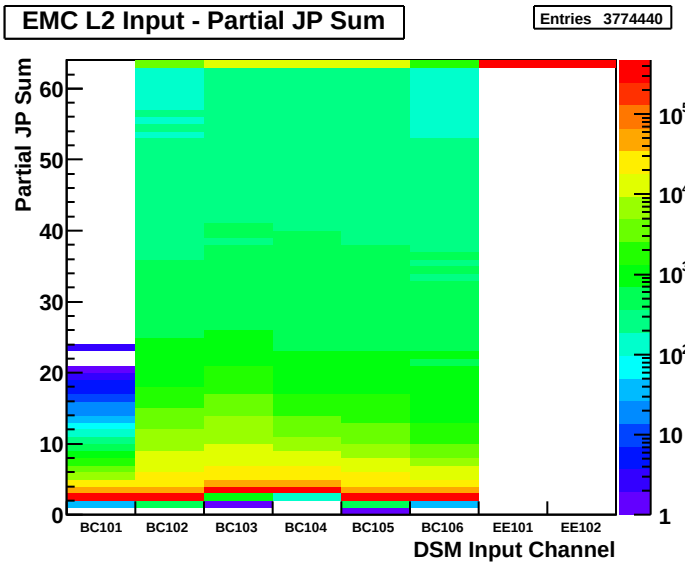

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

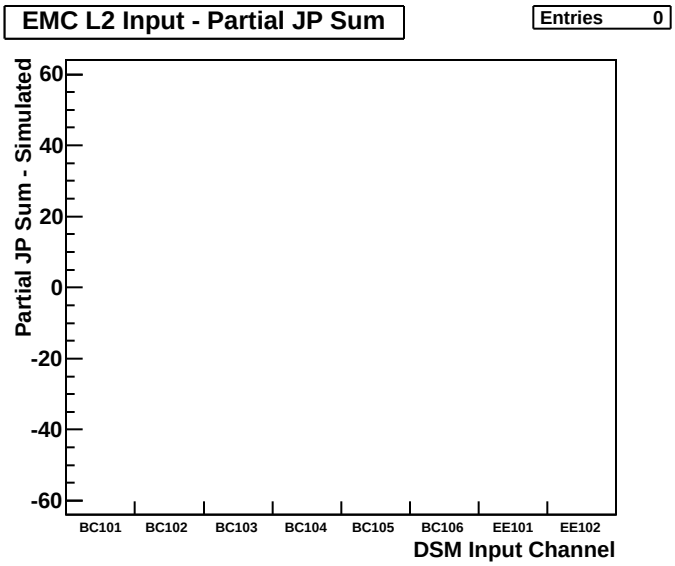

EMC L2 Input - JPY/JPB bits
Entries 3774440
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
87419 17194 43216 84122 85630 90121 471805 471805
33397 5664 28239 30720 33090 33931
19358 3314 17361 17837 19607 19549
331631 445633 382989 339126 332478 328204

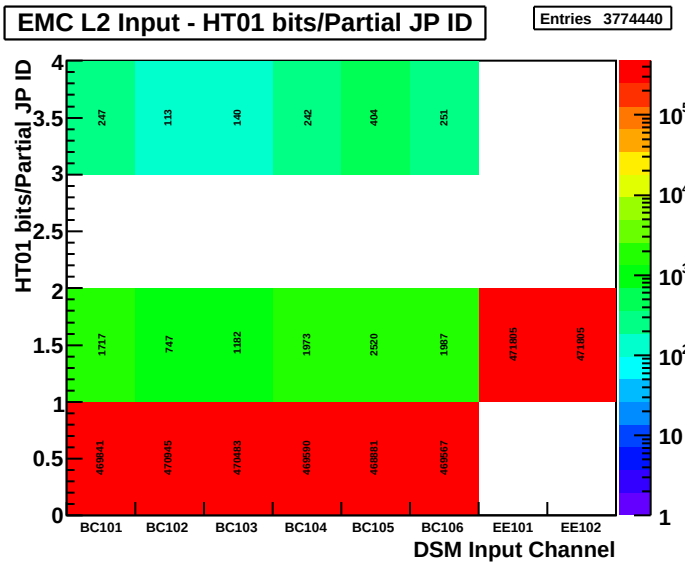

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

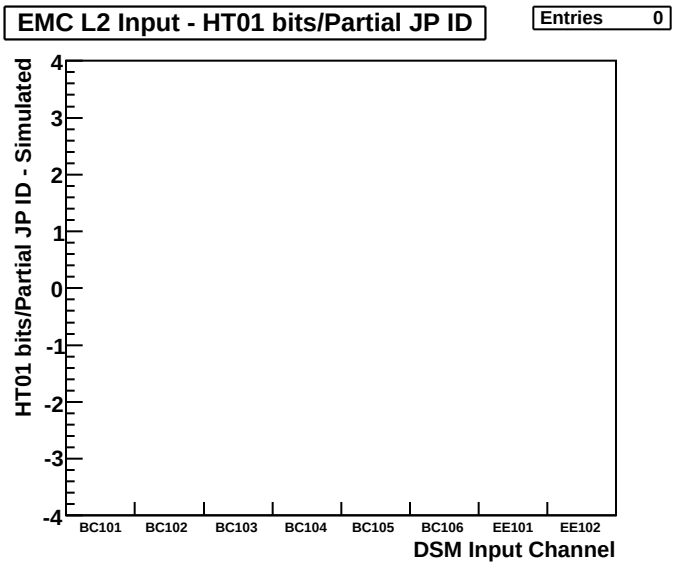

EMC L2 Input - JPZ/JPC bits
Entries 3774440
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
10123 20838 21028 20928 9225 471805 471805
5660 6199 5793 5985 5656
3992 5238 3503 3458 3458
471805 452330 439530 441481 441434 453466

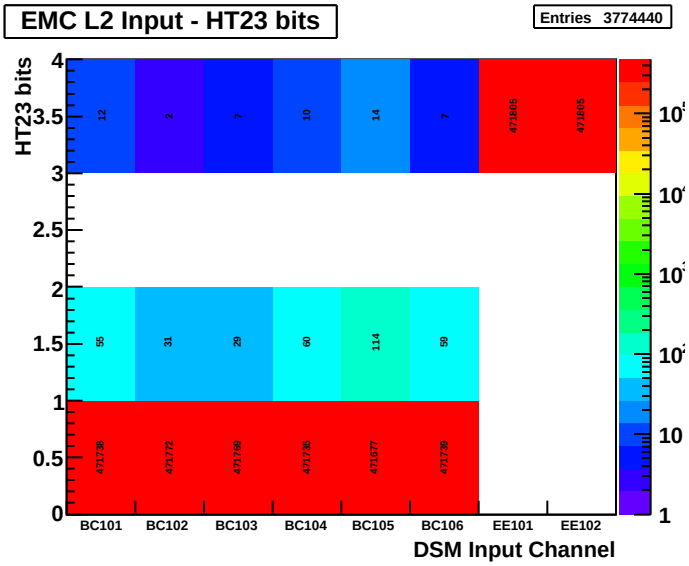

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

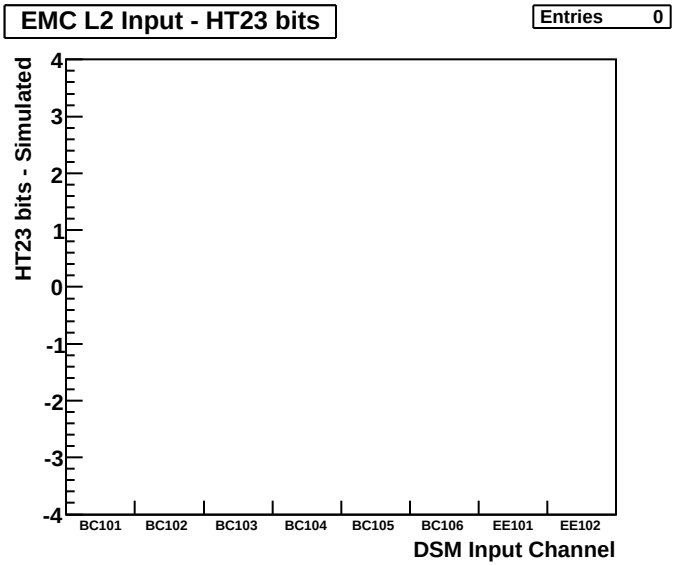

EMC L2 Input - Partial JP Sum
Entries 3774440
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

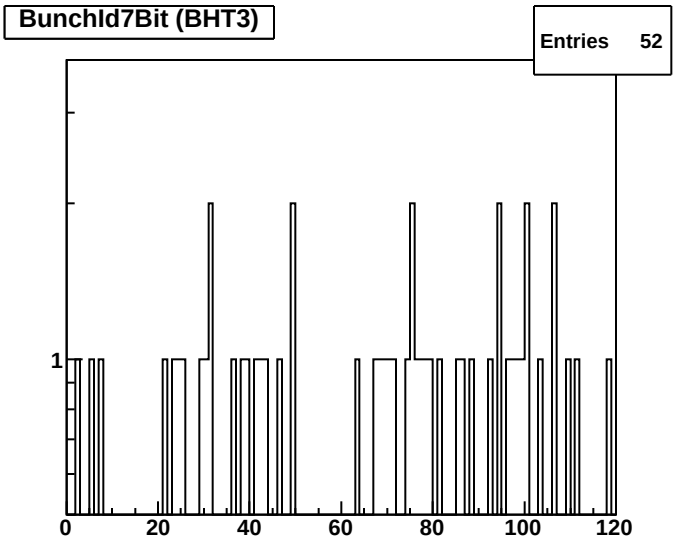

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

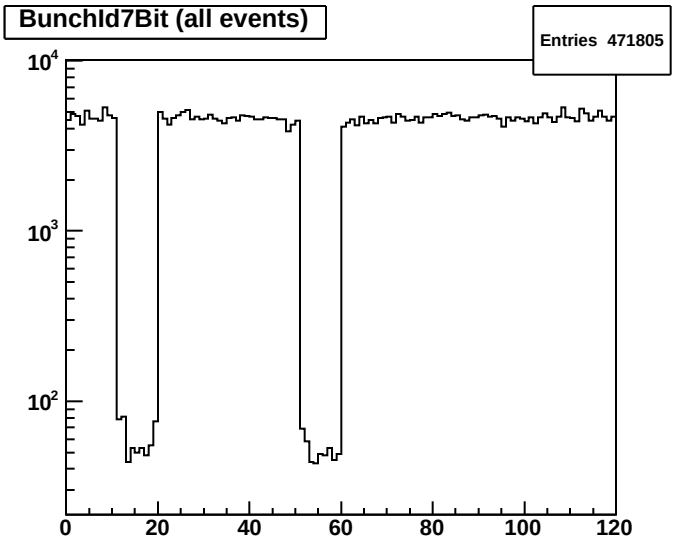

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3774440
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

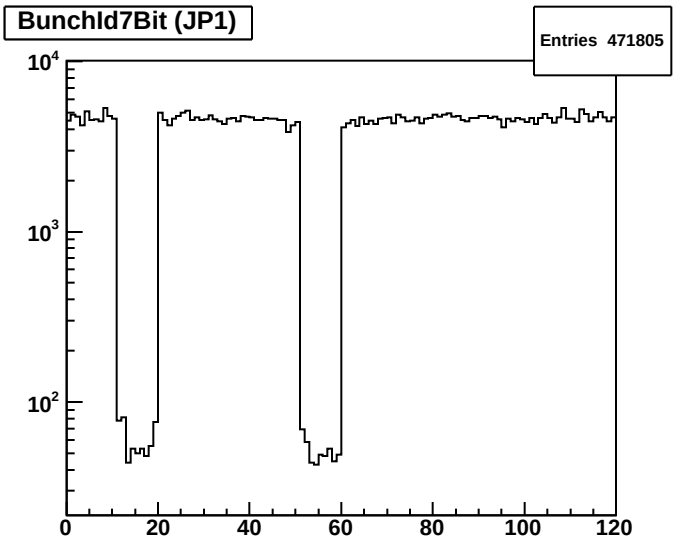

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

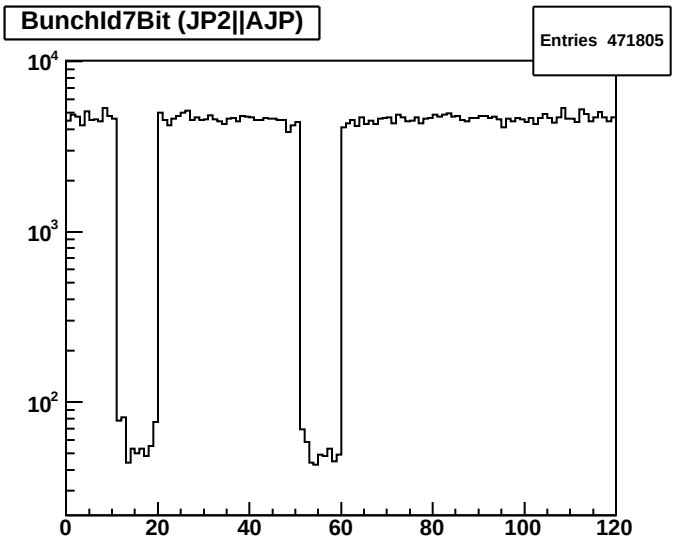

EMC L2 Input - HT23 bits
Entries 3774440
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

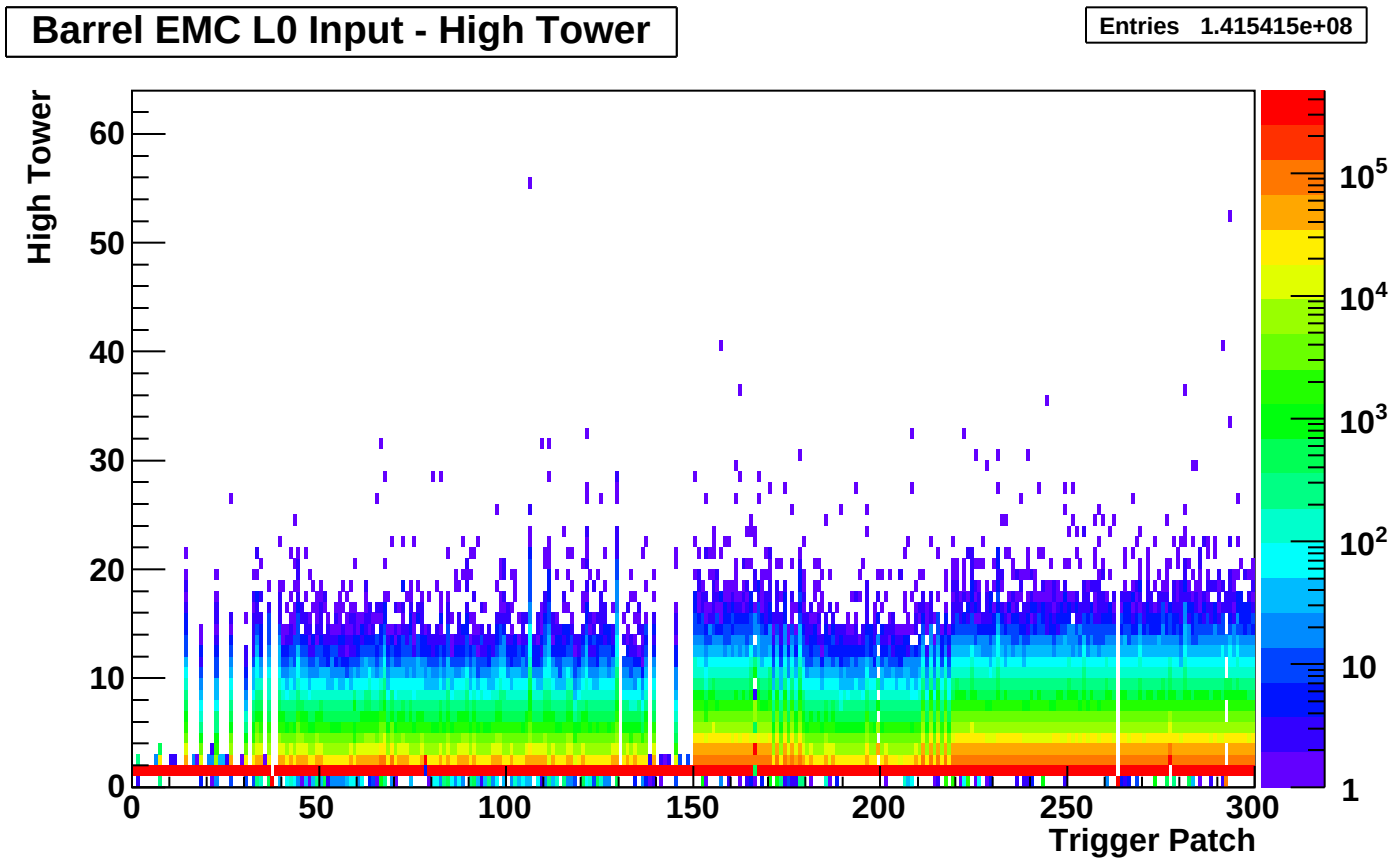

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

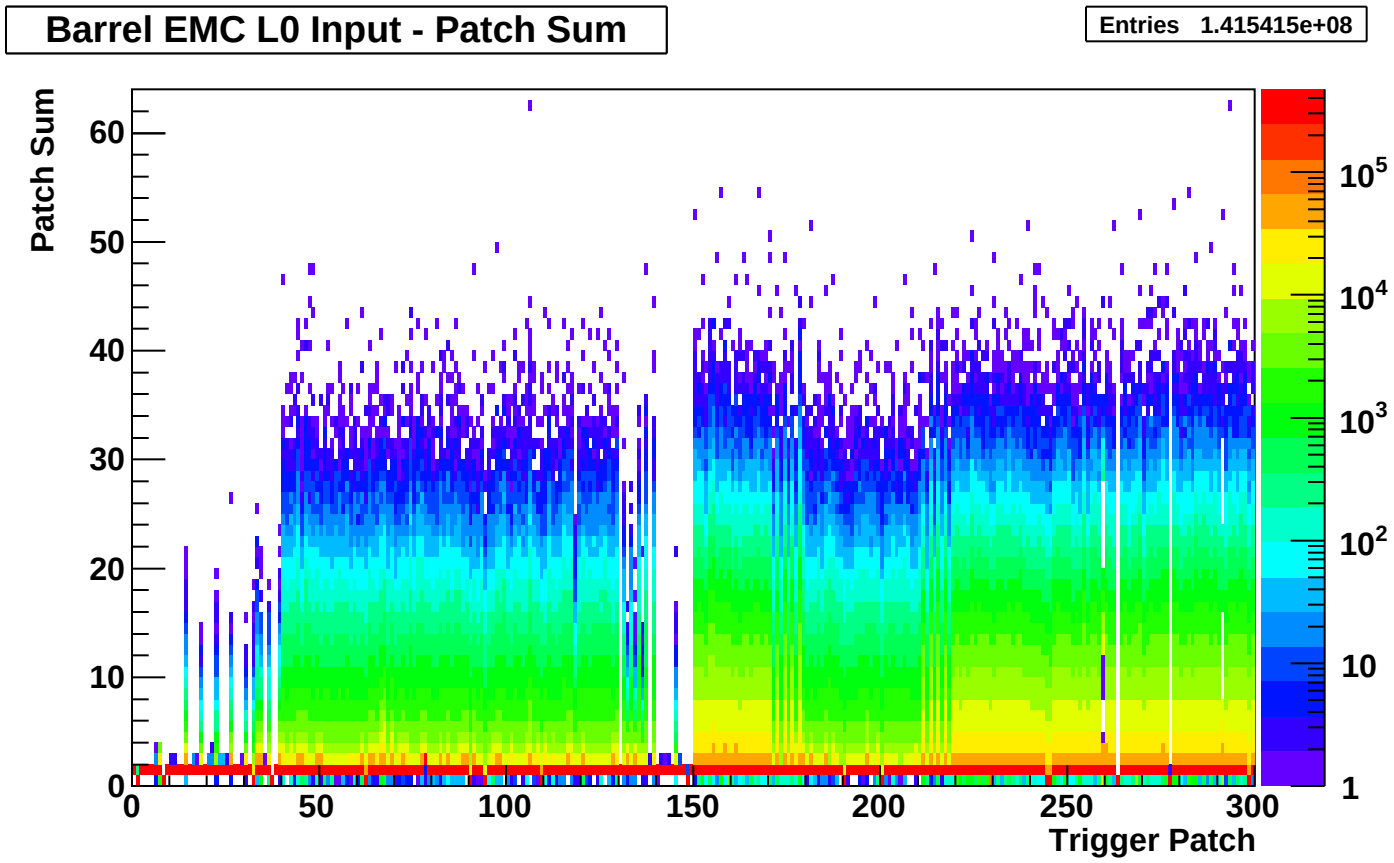

BunchId7Bit (BHT3)
Entries 52
1
0
20
40
60
80
100
120

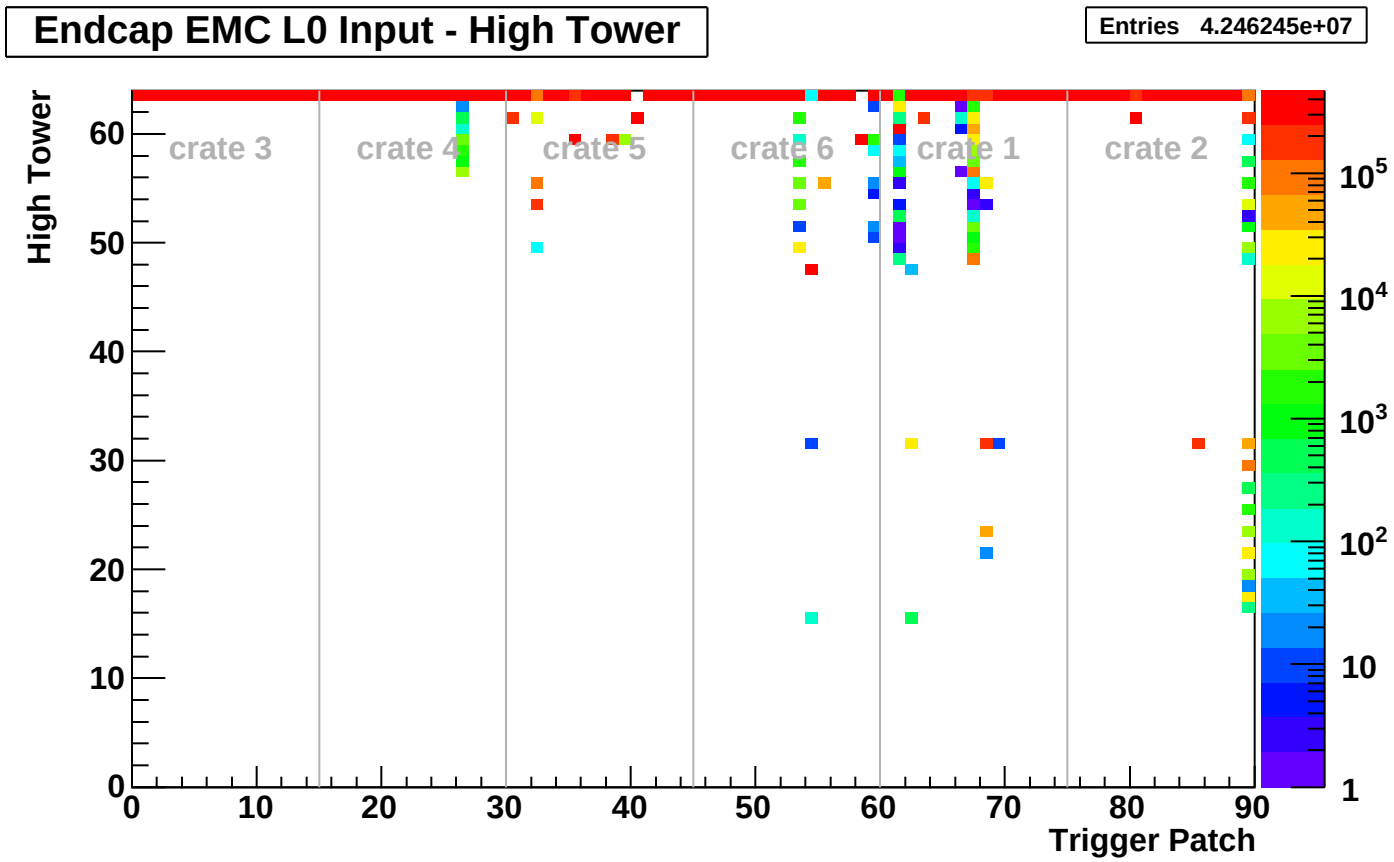

BunchId7Bit (all events)
Entries 471805
10^4
10^3
10^2
0
20
40
60
80
100
120

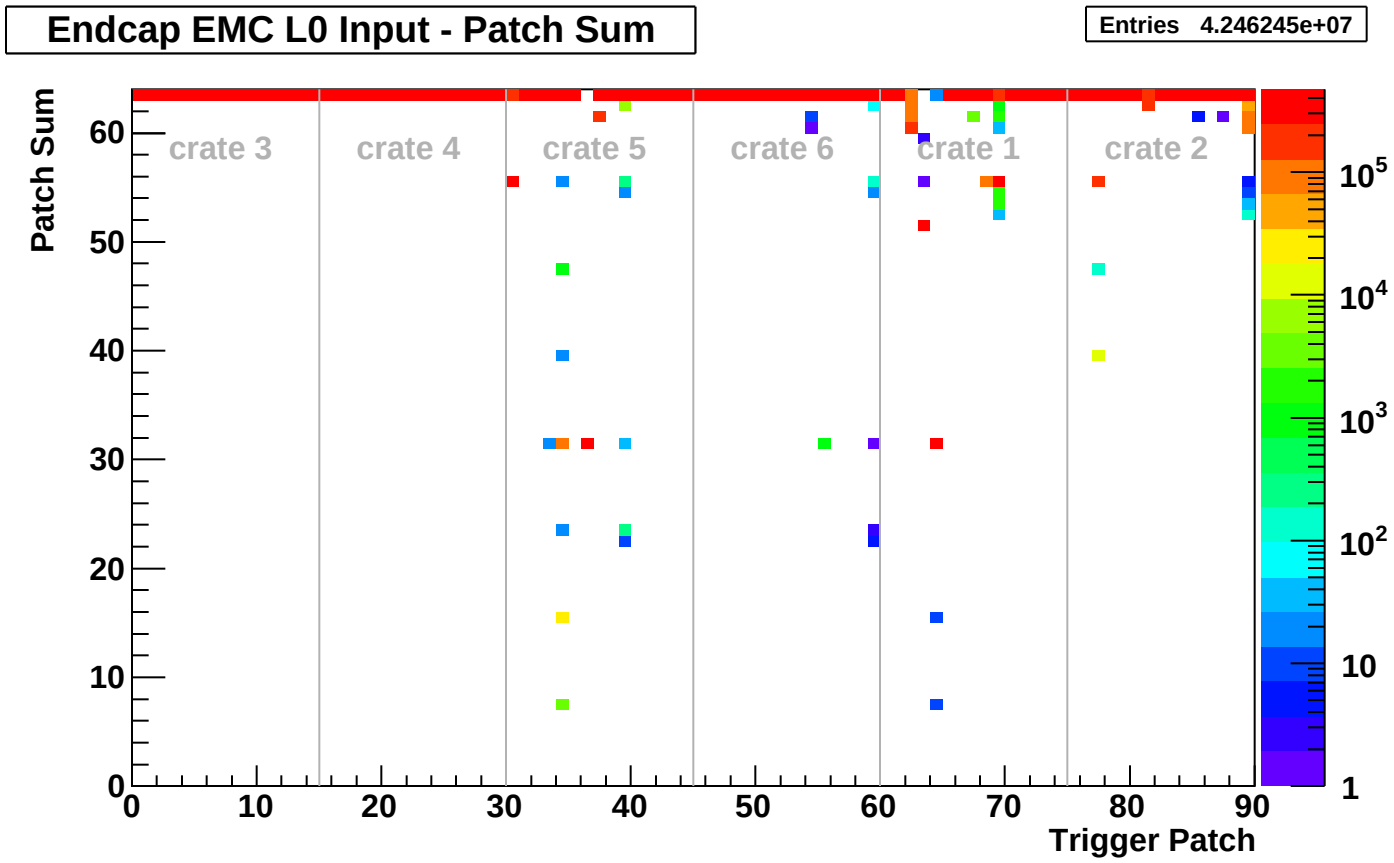

BunchId7Bit (JP1)
Entries 471805
10^4
10^3
10^2
0
20
40
60
80
100
120

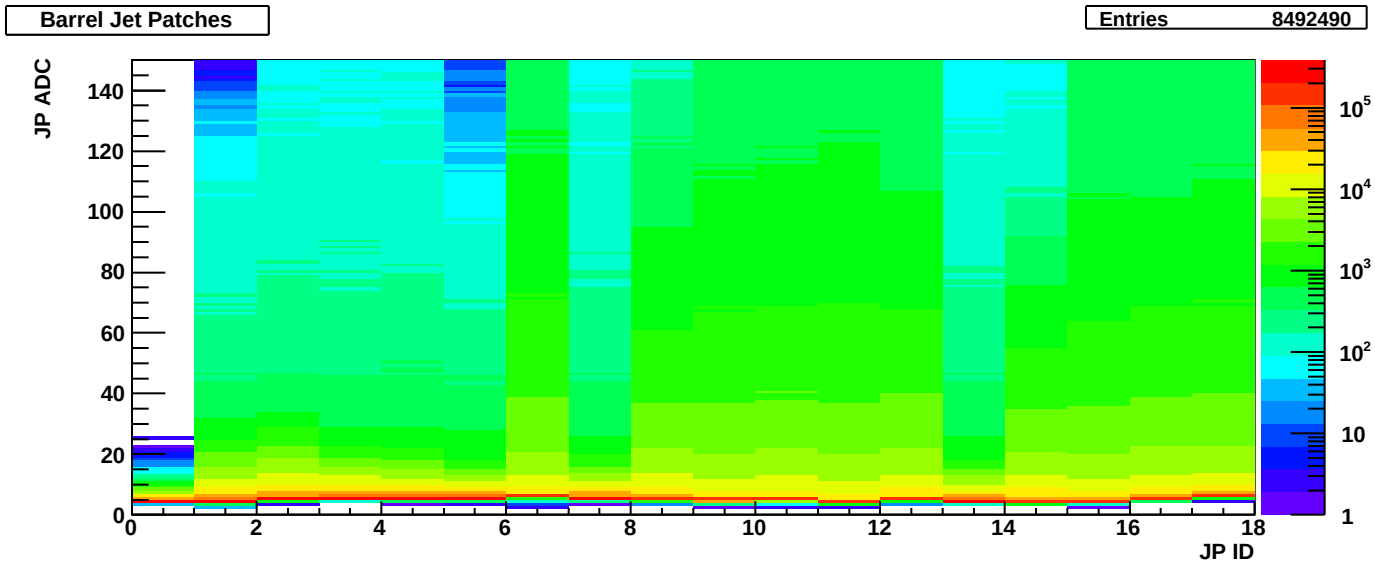

BunchId7Bit (JP2||AJP)
Entries 471805
10^4
10^3
10^2
0
20
40
60
80
100
120

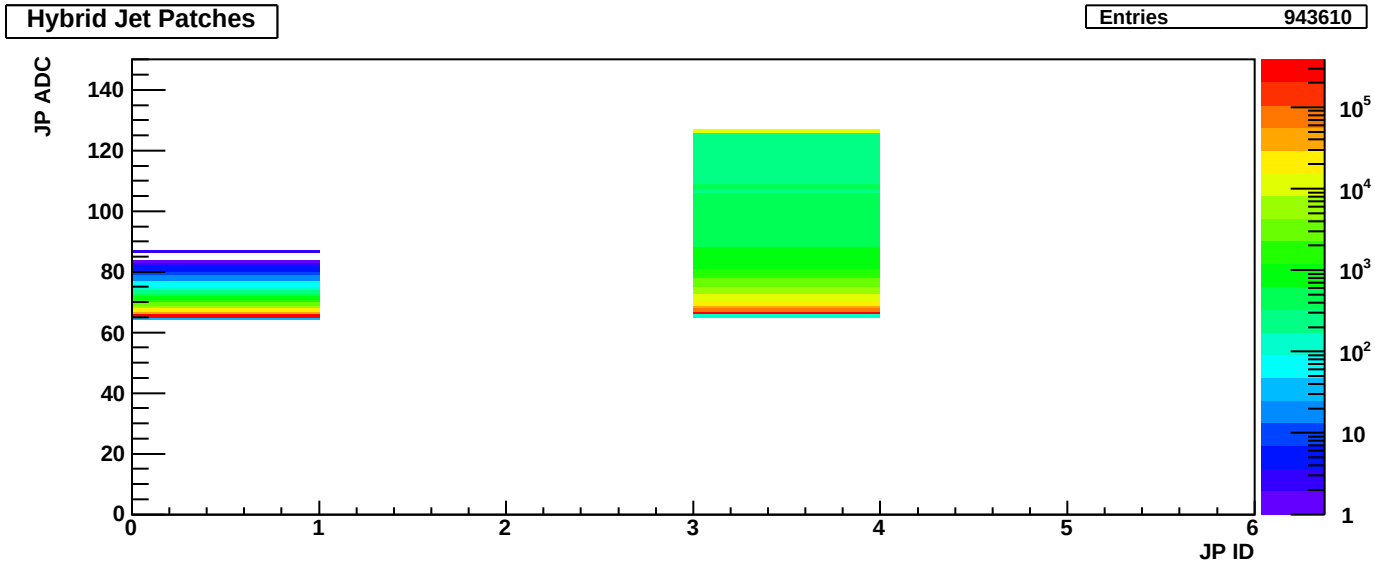

Barrel EMC L0 Input - High Tower
Entries 1.415415e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

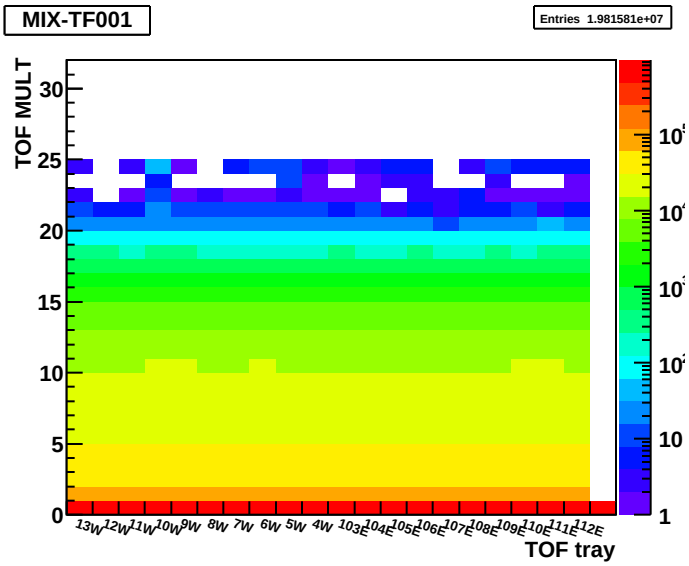

Barrel EMC L0 Input - Patch Sum
Entries 1.415415e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

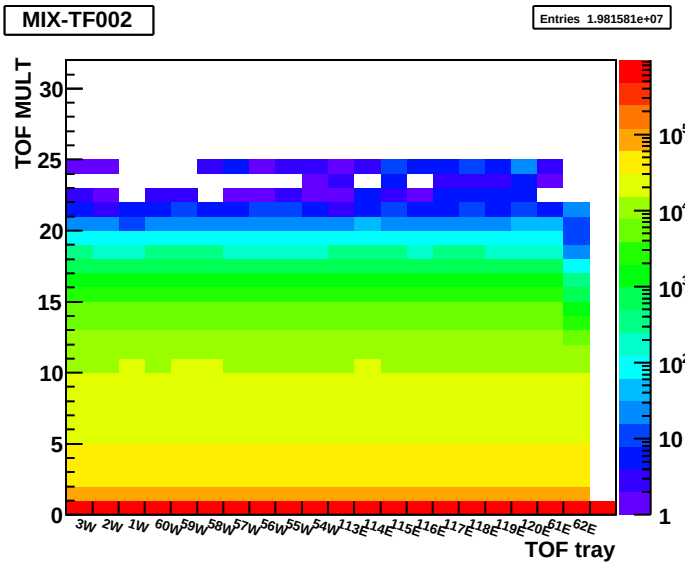

Endcap EMC L0 Input - High Tower
Entries 4.246245e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

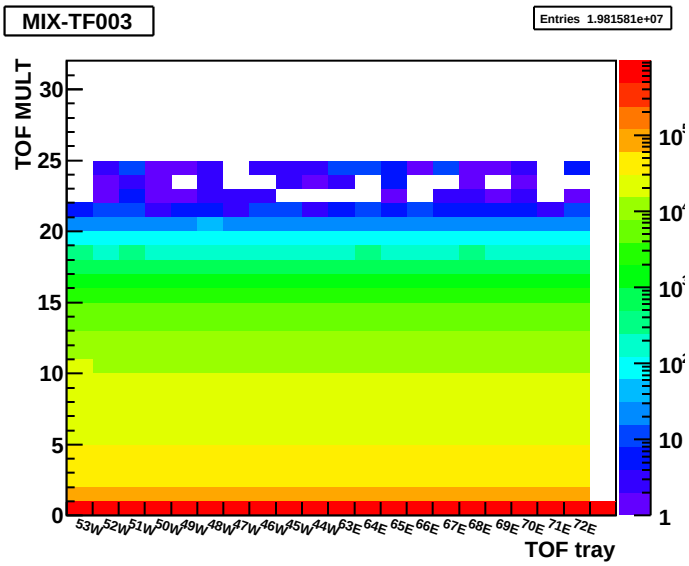

Endcap EMC L0 Input - Patch Sum
Entries 4.246245e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

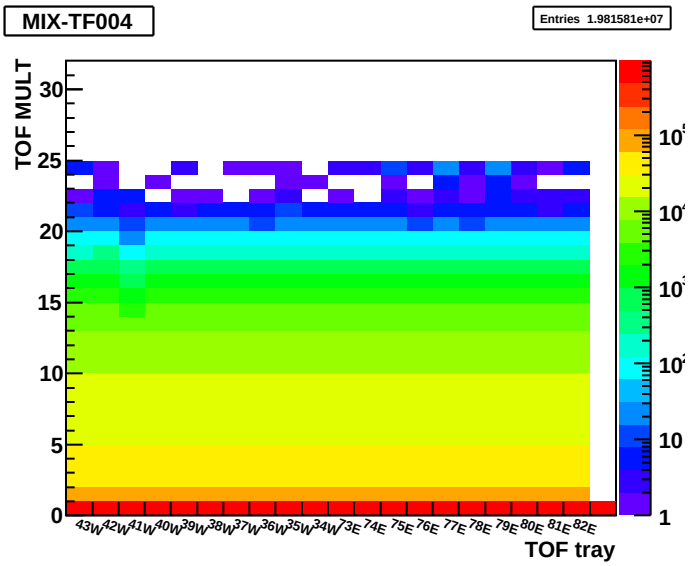

Barrel Jet Patches
Entries 8492490
JP ADC
JP ID

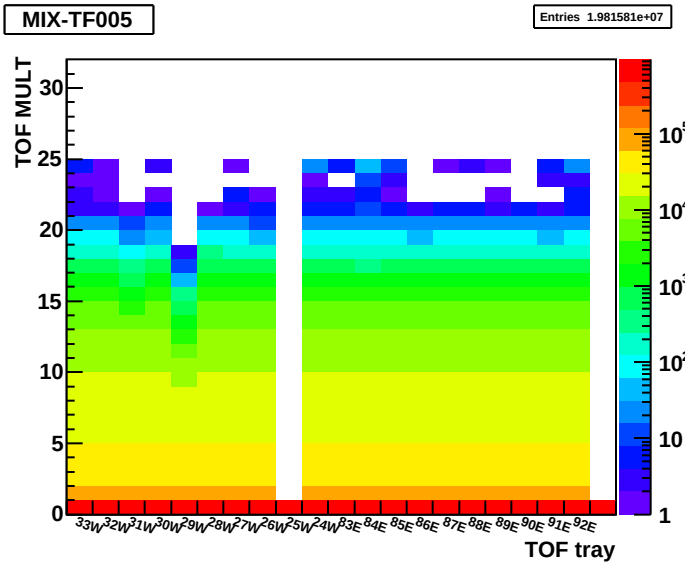

Hybrid Jet Patches
Entries 943610
JP ADC
JP ID

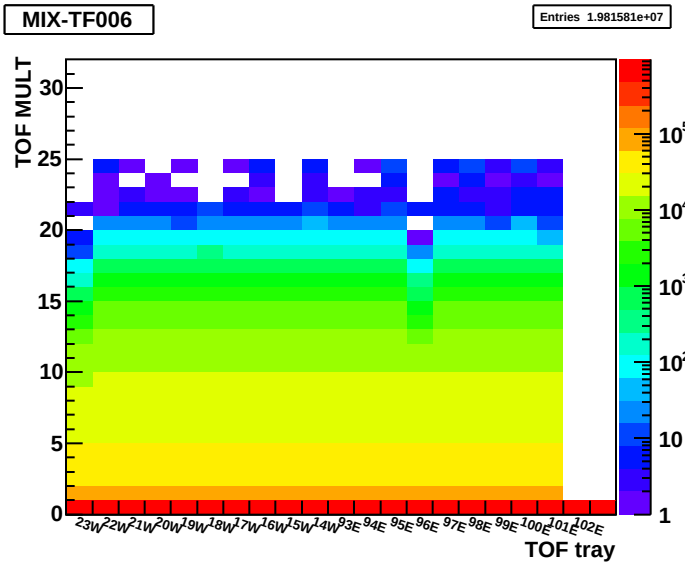

MIX-TF001
Entries 1.981581e+07
TOF MULT
TOF tray

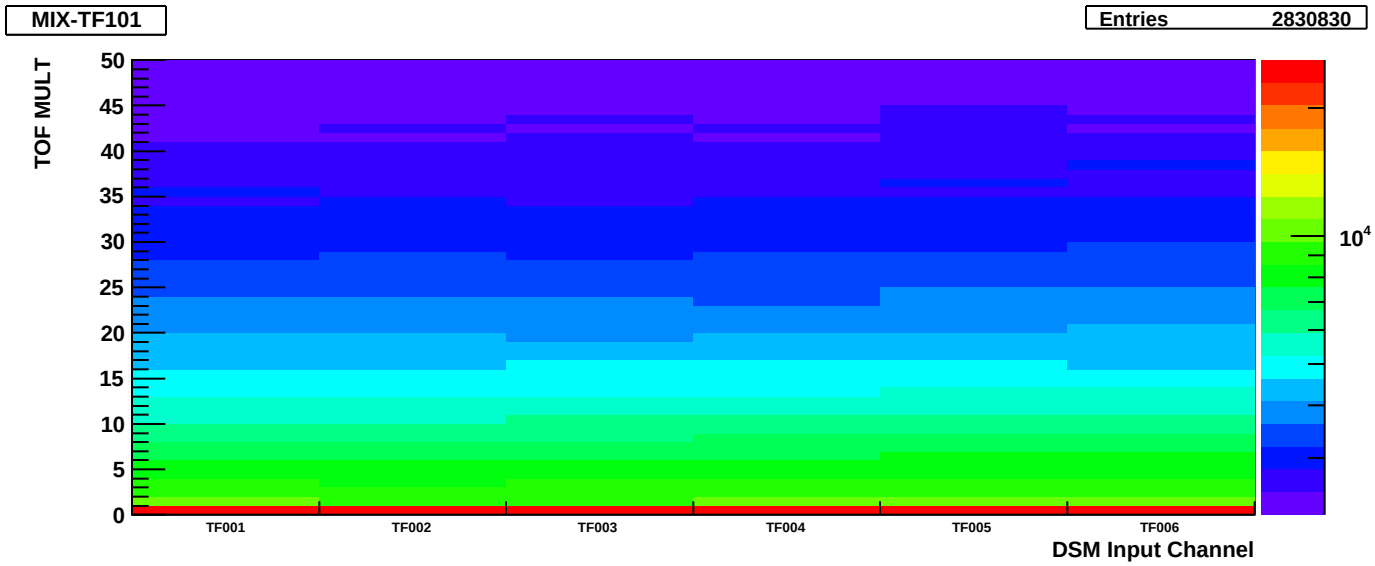

MIX-TF002
Entries 1.981581e+07
TOF MULT
TOF tray

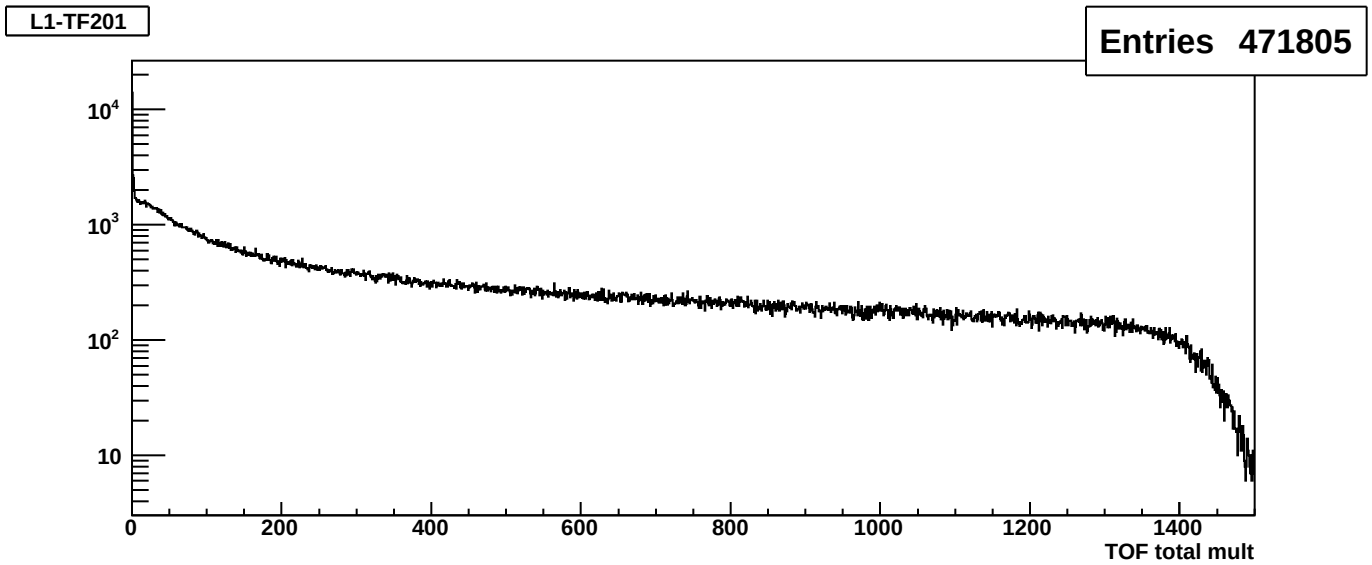

MIX-TF003
Entries 1.981581e+07
TOF MULT
TOF tray

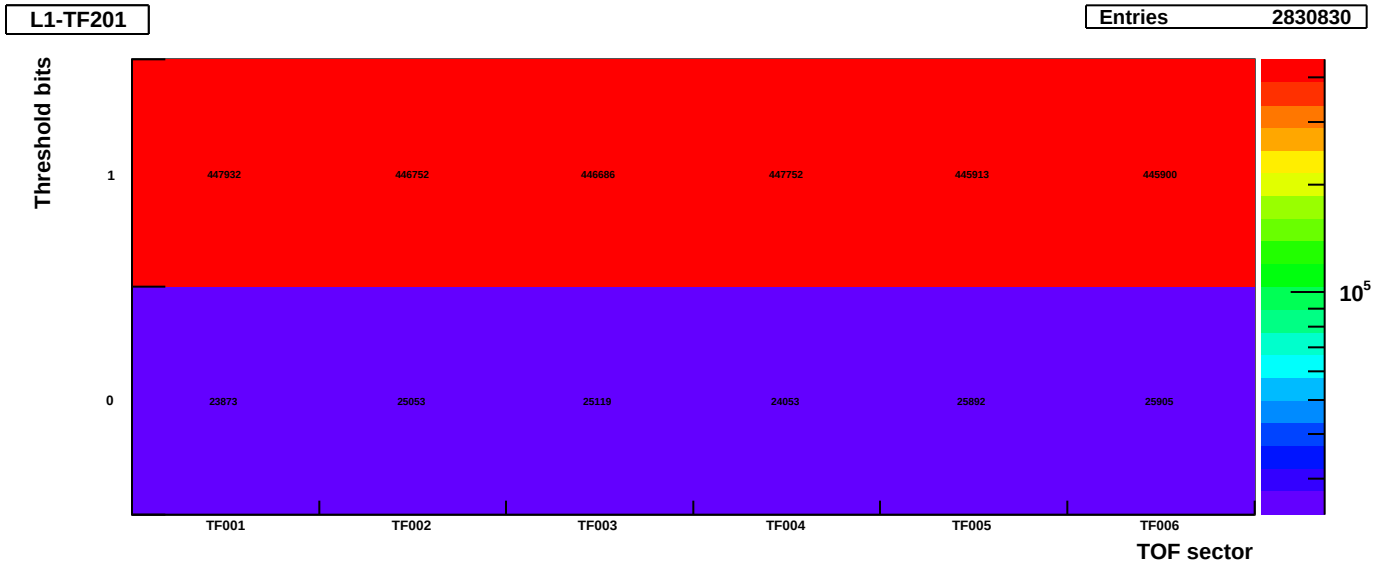

MIX-TF004
Entries 1.981581e+07
TOF MULT
TOF tray

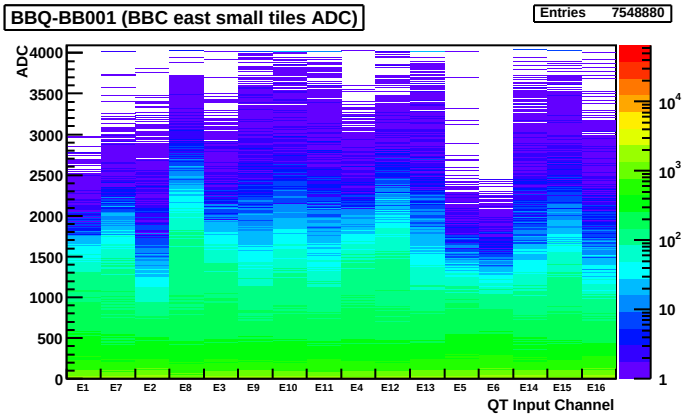

MIX-TF005
Entries 1.981581e+07
TOF MULT
TOF tray

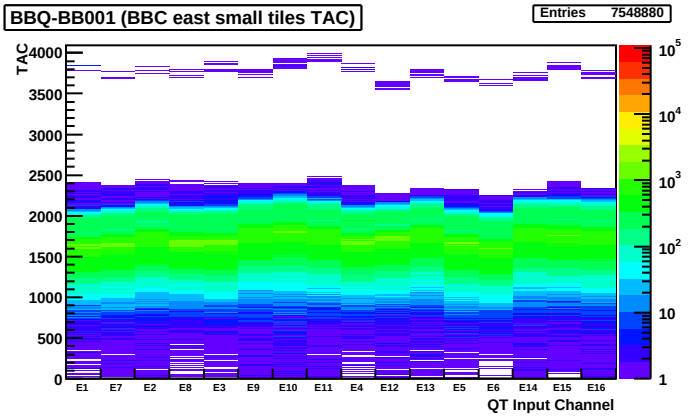

MIX-TF006
Entries 1.981581e+07
TOF MULT
TOF tray

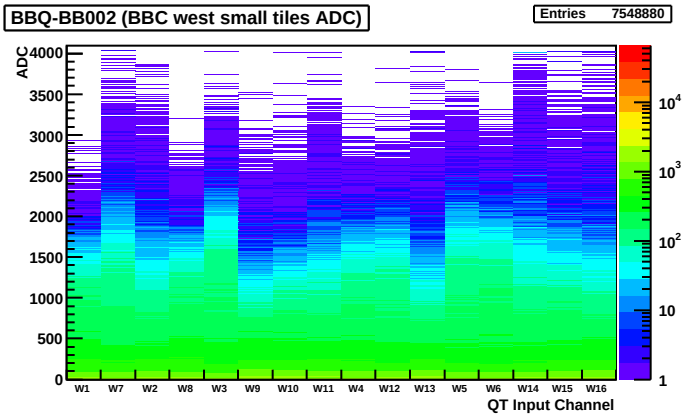

MIX-TF101
Entries 2830830
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

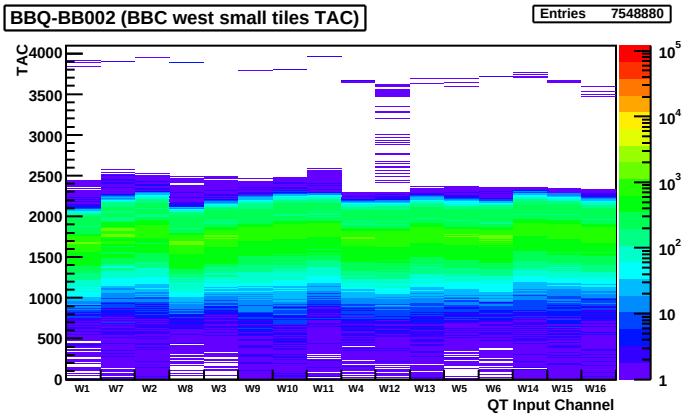

L1-TF201
Entries 471805
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

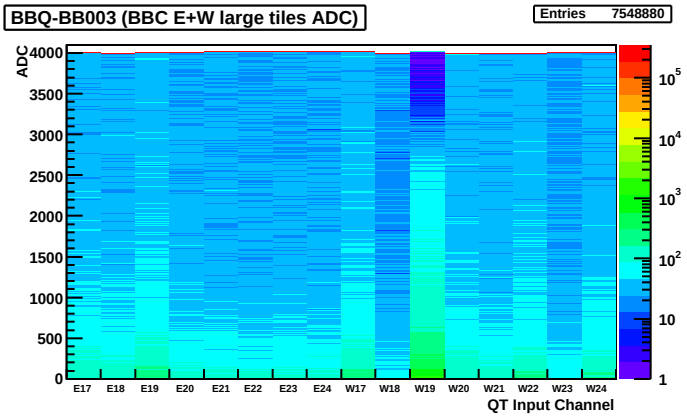

L1-TF201
Entries 2830830
Threshold bits
1
0
447932
446752
446686
447752
445913
445900
23873
25053
25119
24053
25892
25905
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

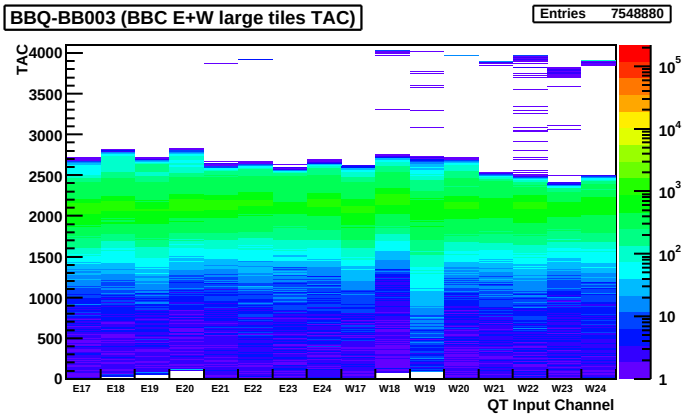

BBQ-BB001 (BBC east small tiles ADC)
Entries 7548880
ADC
QT Input Channel

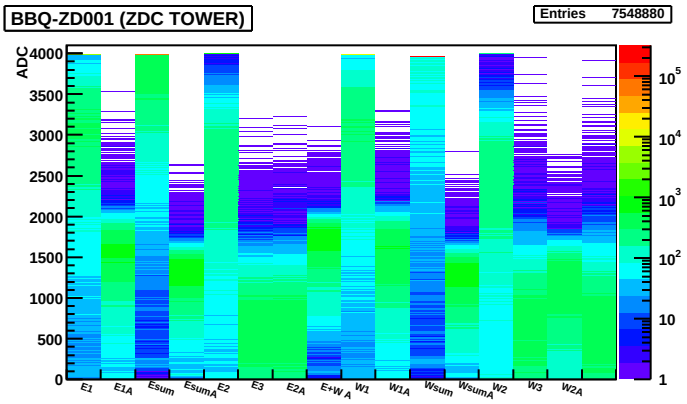

BBQ-BB001 (BBC east small tiles TAC)
Entries 7548880
TAC
QT Input Channel

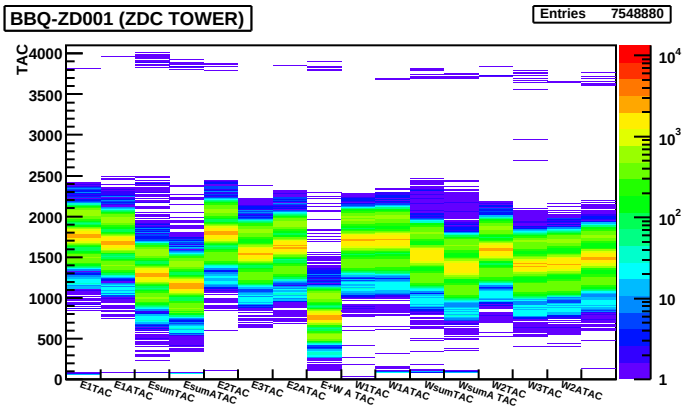

BBQ-BB002 (BBC west small tiles ADC)
Entries 7548880
ADC
QT Input Channel

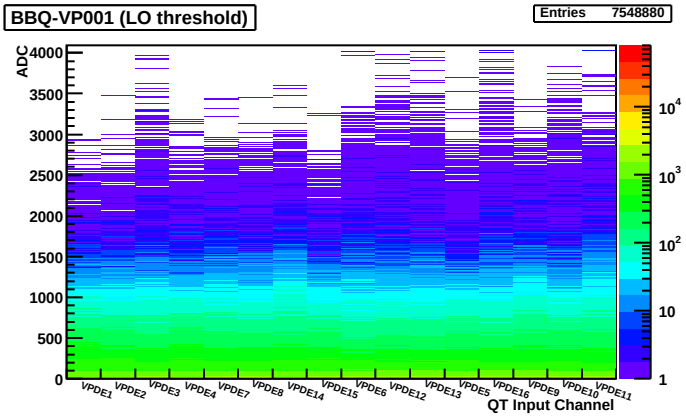

BBQ-BB002 (BBC west small tiles TAC)
Entries 7548880
TAC
QT Input Channel

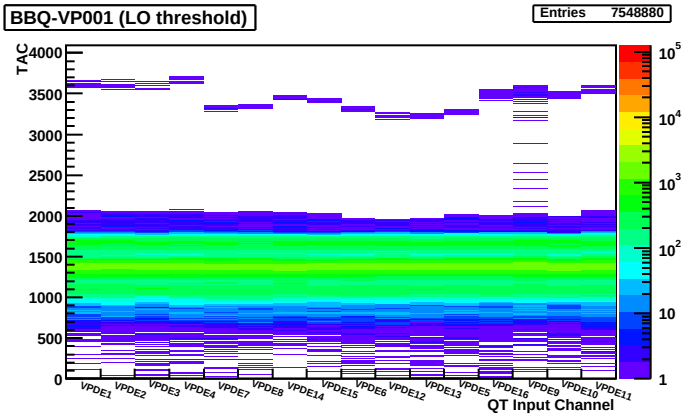

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7548880
ADC
QT Input Channel

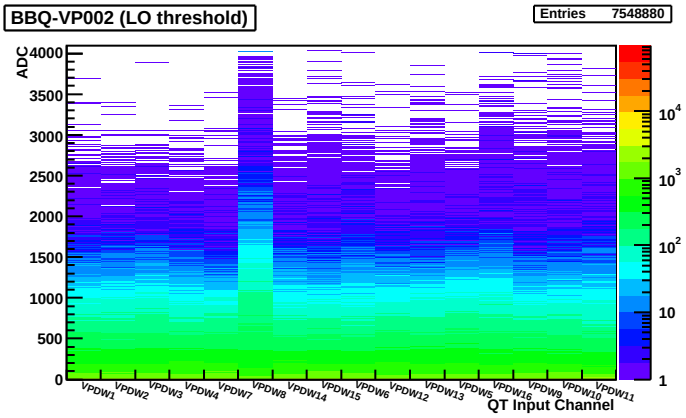

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7548880
TAC
QT Input Channel

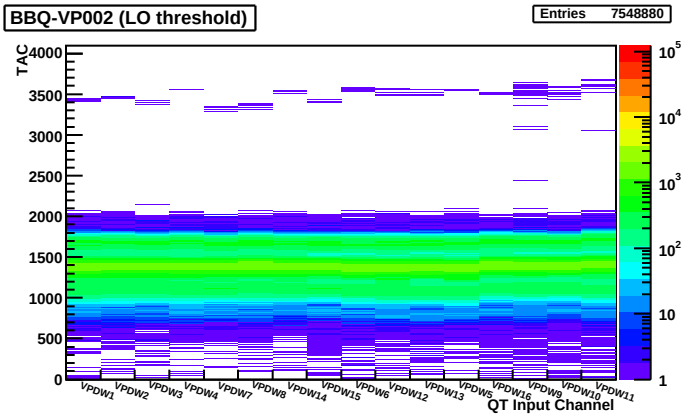

BBQ-ZD001 (ZDC TOWER)
Entries 7548880
ADC

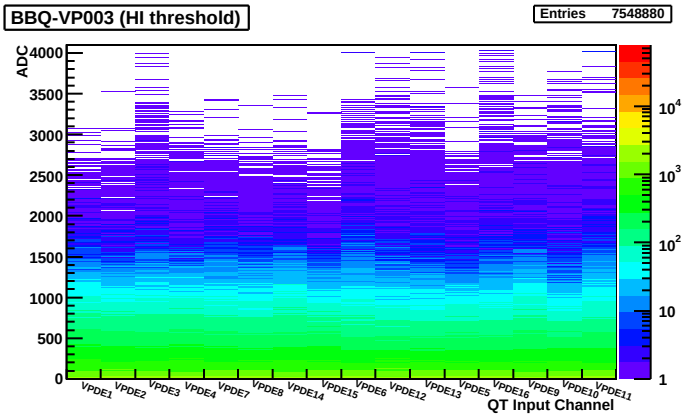

BBQ-ZD001 (ZDC TOWER)
Entries 7548880
TAC

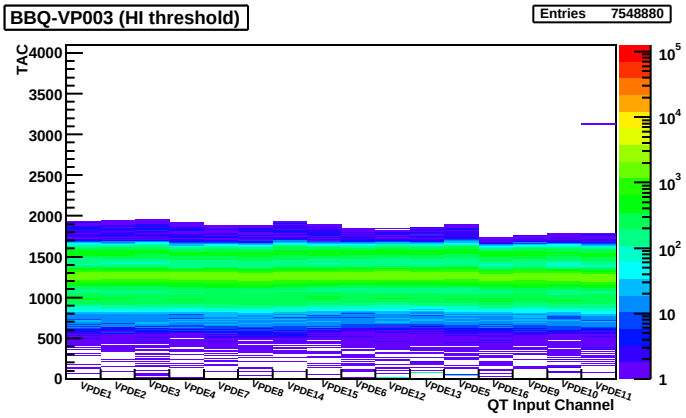

BBQ-VP001 (LO threshold)
Entries 7548880
ADC
QT Input Channel

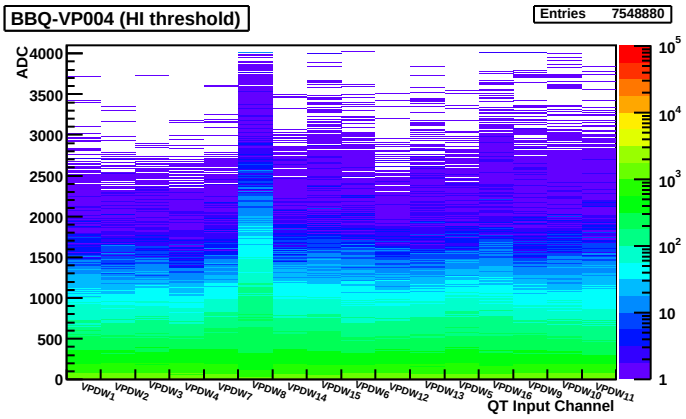

BBQ-VP001 (LO threshold)
Entries 7548880
TAC
QT Input Channel

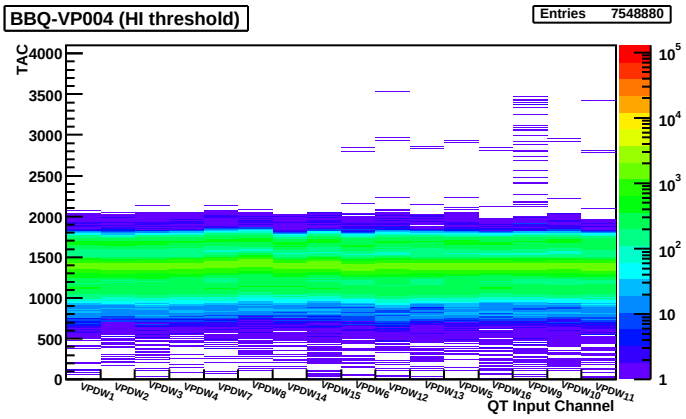

BBQ-VP002 (LO threshold)
Entries 7548880
ADC
QT Input Channel

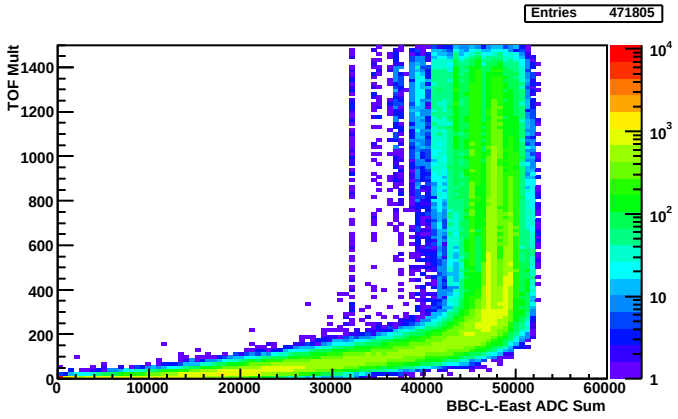

BBQ-VP002 (LO threshold)
Entries 7548880
TAC
QT Input Channel

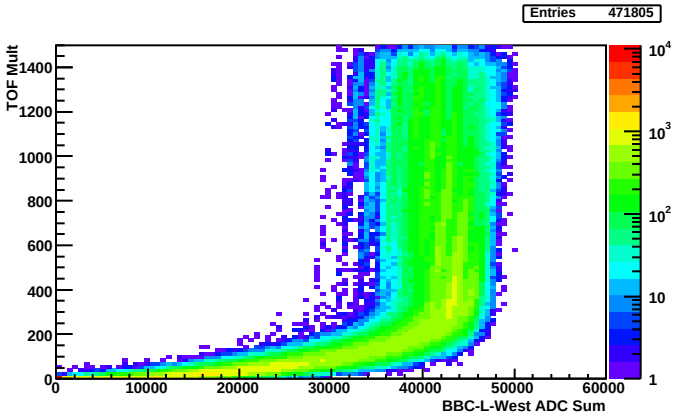

BBQ-VP003 (HI threshold)
Entries 7548880
ADC
QT Input Channel

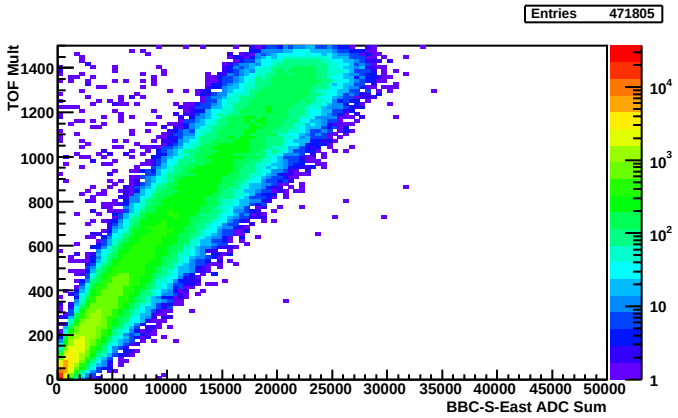

BBQ-VP003 (HI threshold)
Entries 7548880
TAC
QT Input Channel

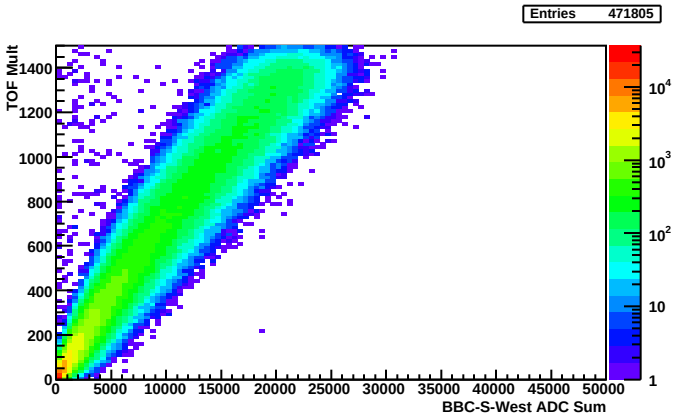

BBQ-VP004 (HI threshold)
Entries 7548880
ADC
QT Input Channel

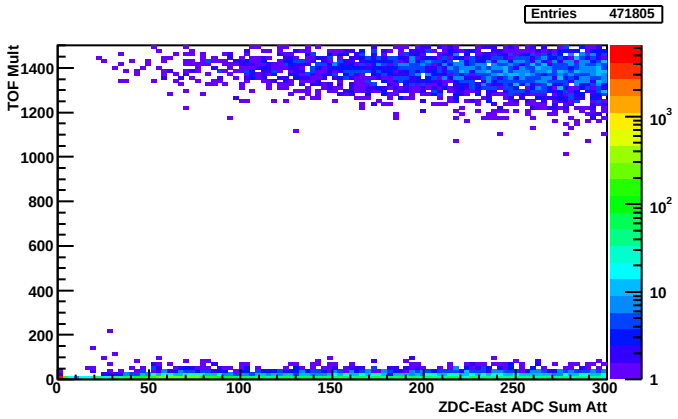

BBQ-VP004 (HI threshold)
Entries 7548880
TAC
QT Input Channel

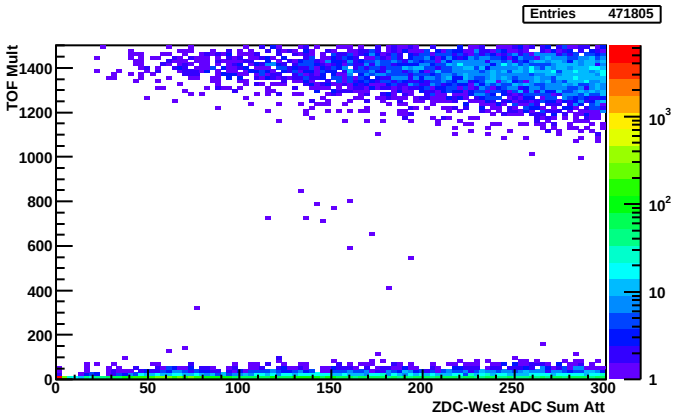

Entries 471805
TOF Mult
BBC-L-East ADC Sum

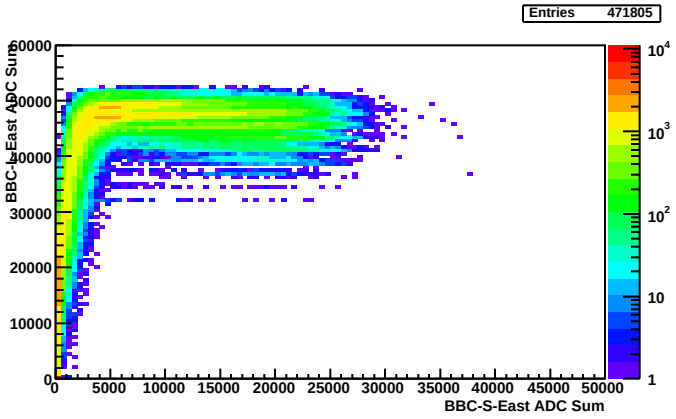

Entries 471805
TOF Mult
BBC-L-West ADC Sum

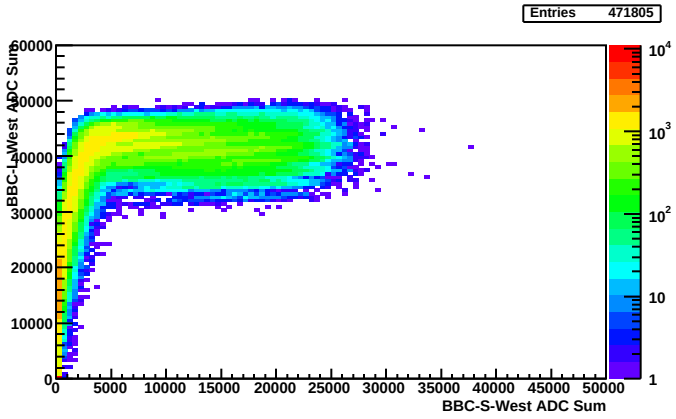

Entries 471805
TOF Mult
BBC-S-East ADC Sum

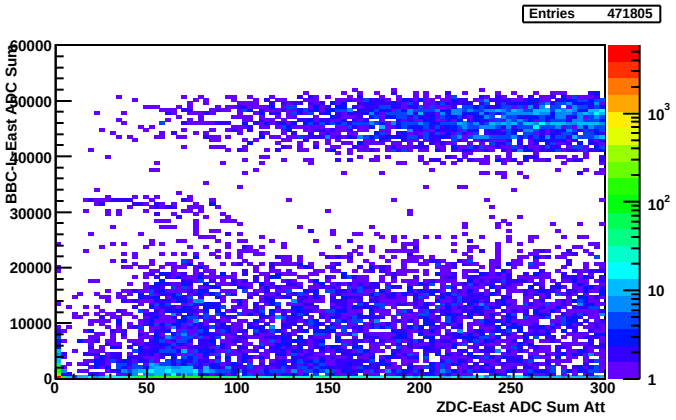

Entries 471805
TOF Mult
BBC-S-West ADC Sum

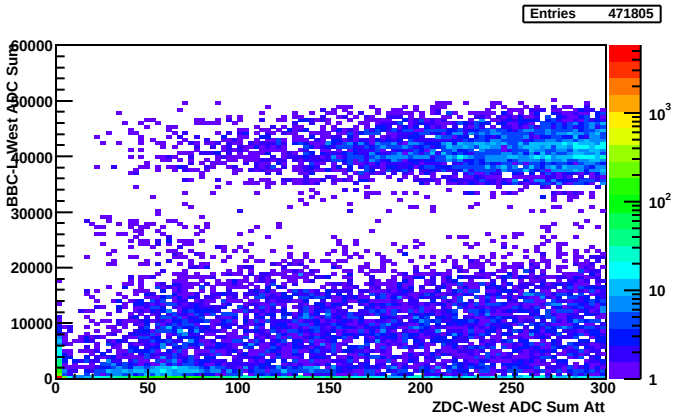

Entries 471805
TOF Mult
ZDC-East ADC Sum Att


Entries 471805
TOF Mult
ZDC-West ADC Sum Att


Entries 471805
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 471805
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 471805
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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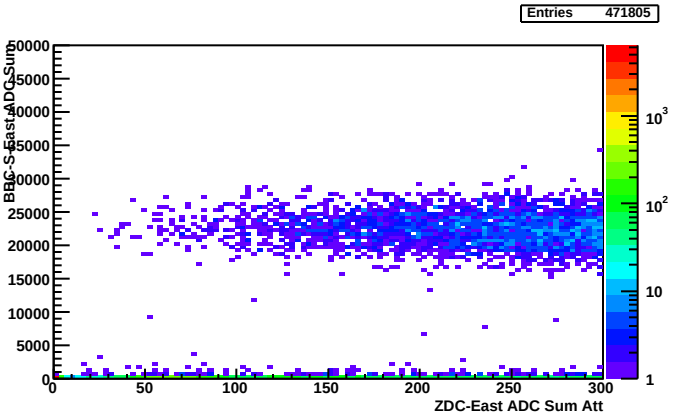
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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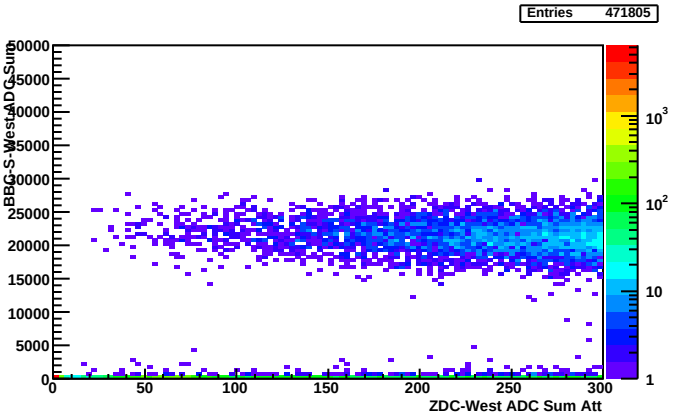
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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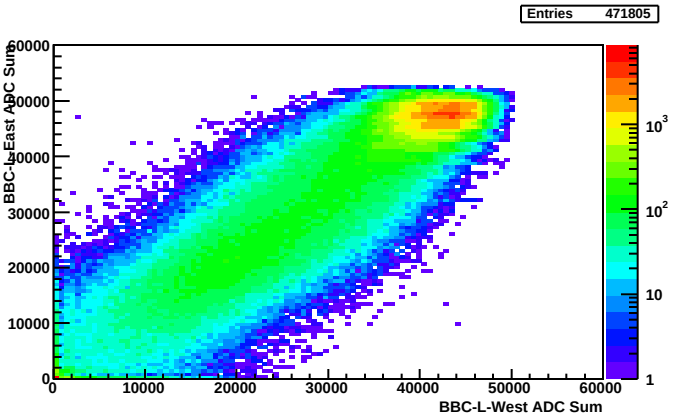
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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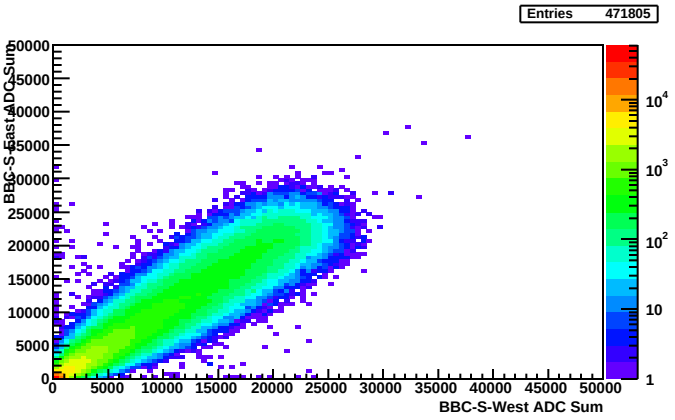
BBC-L-East ADC Sum
BBC-L-West ADC Sum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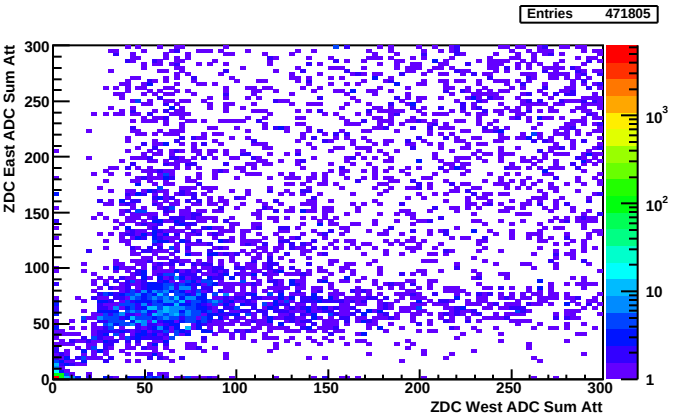
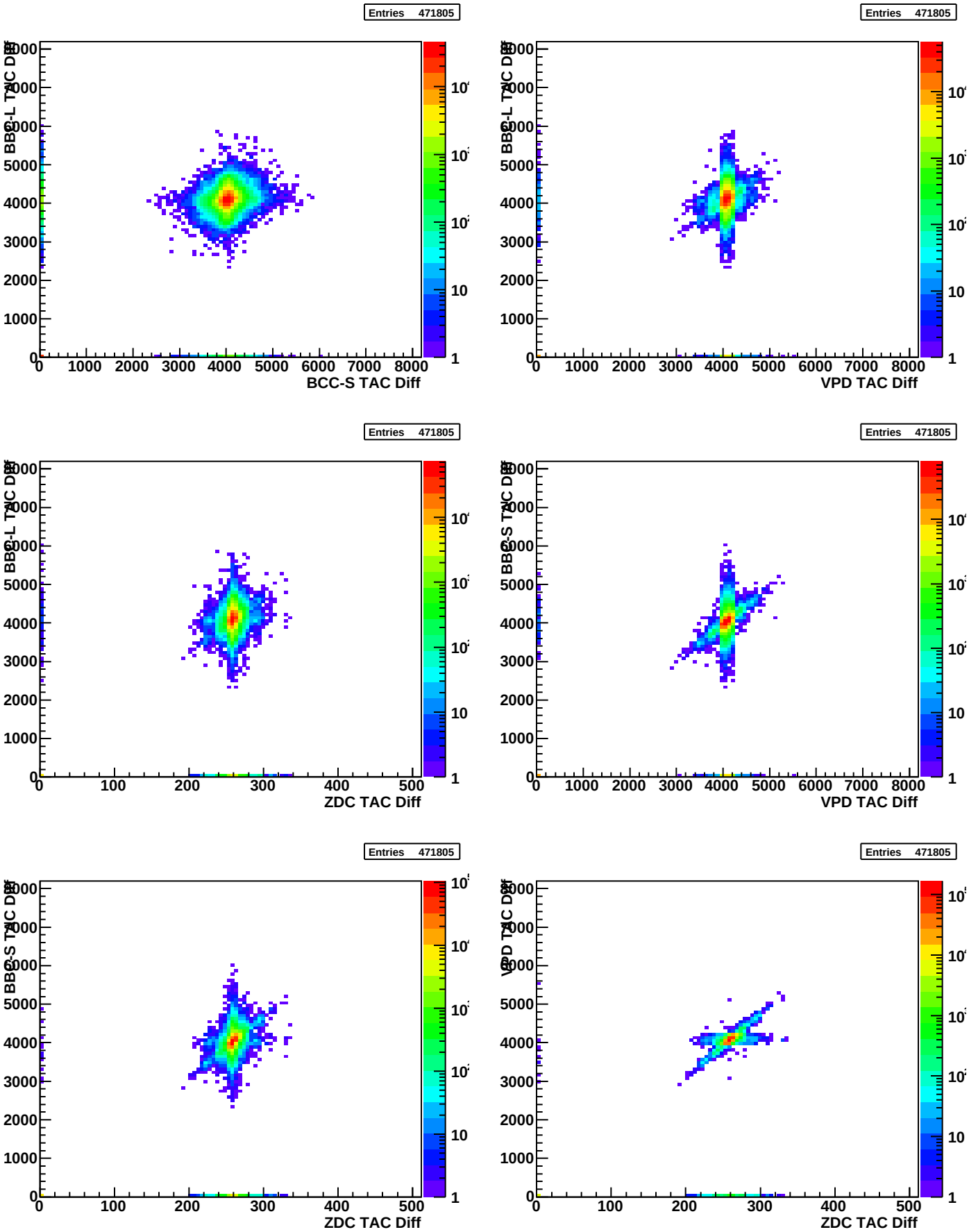
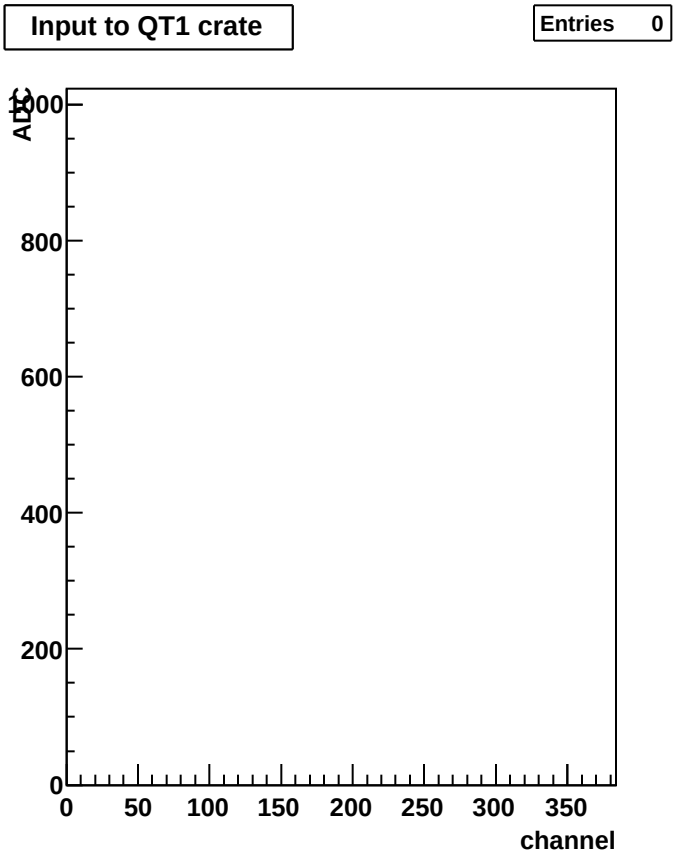
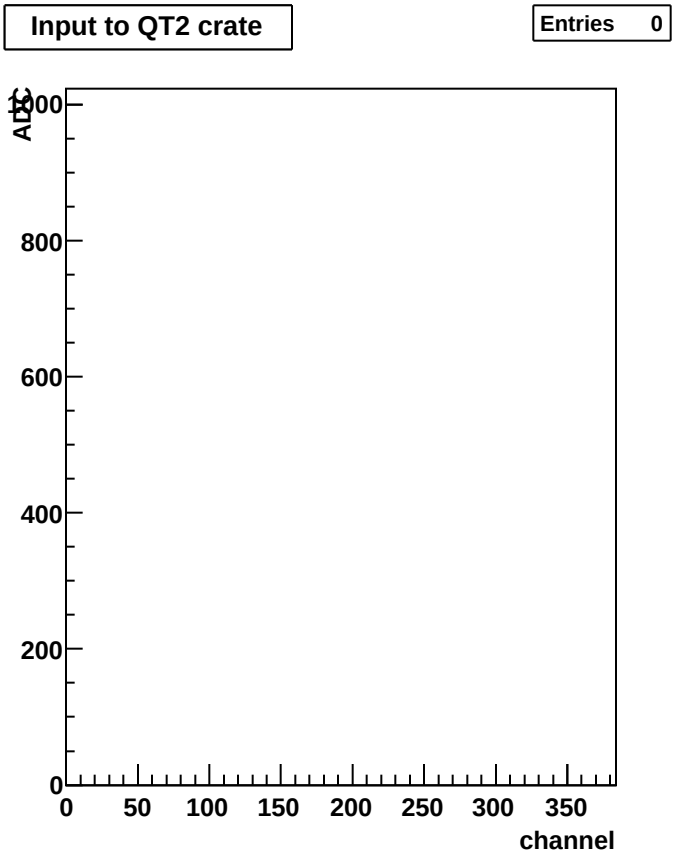
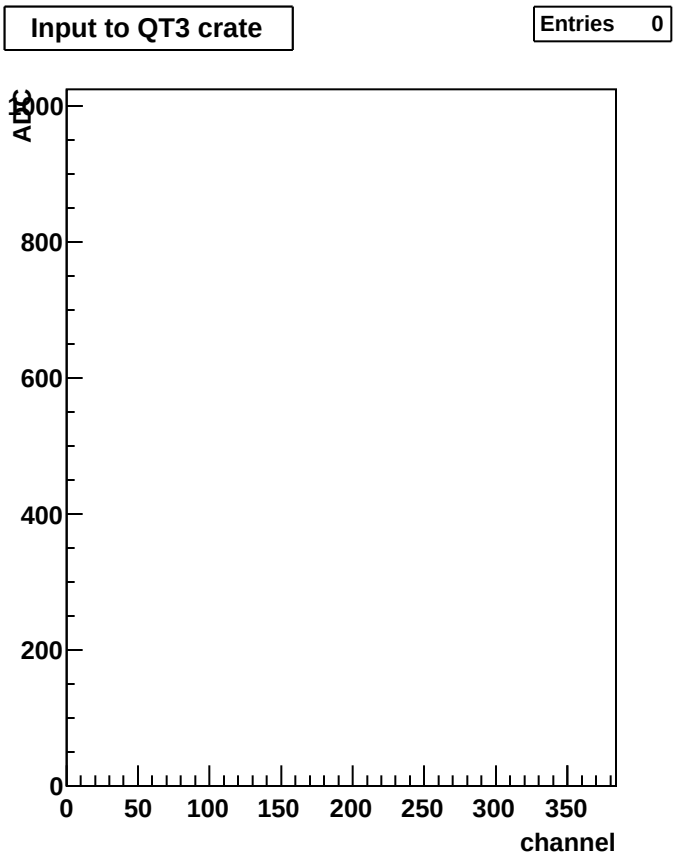
BBC-S-East ADC Sum
BBC-S-West ADC Sum

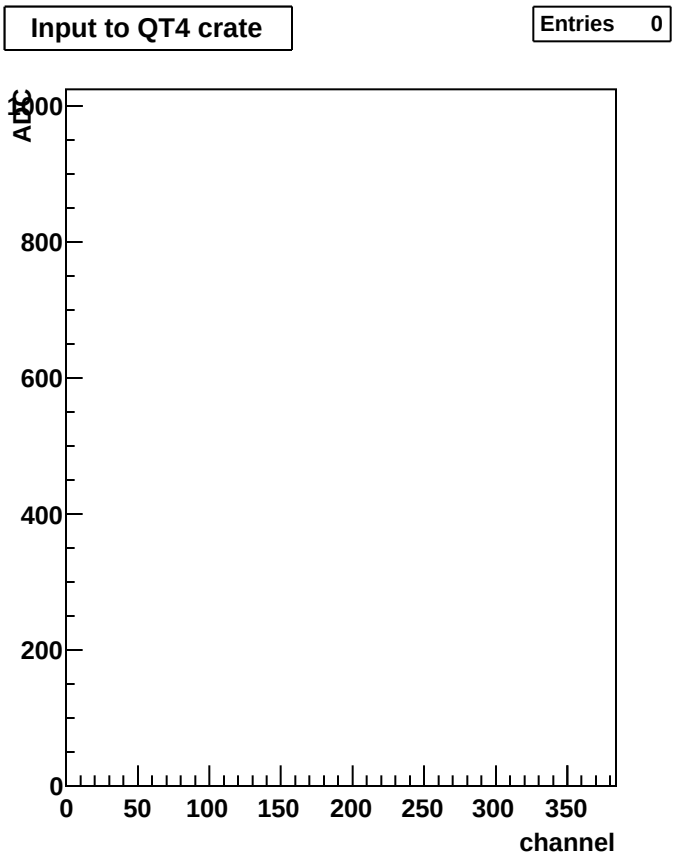

Entries 471805
ZDC East ADC Sum Att
ZDC West ADC Sum Att

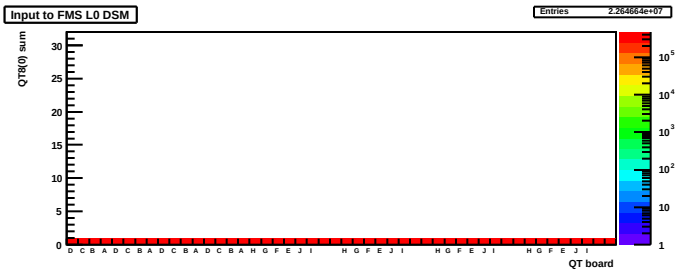

Entries 471805
BBC-L TAC Diff
BCC-S TAC Diff
Entries 471805
BBC-L TAC Diff
VPD TAC Diff
Entries 471805
BBC-L TAC Diff
ZDC TAC Diff
Entries 471805
BBC-S TAC Diff
VPD TAC Diff
Entries 471805
BBC-S TAC Diff
ZDC TAC Diff
Entries 471805
VPD TAC Diff
ZDC TAC Diff

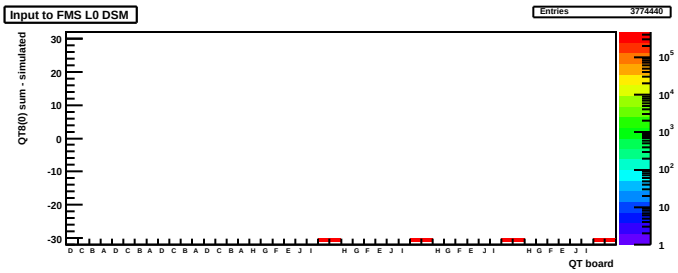

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

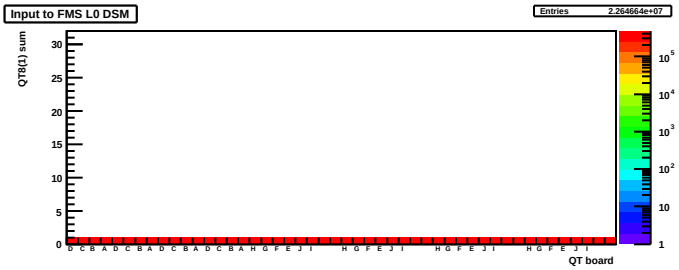

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

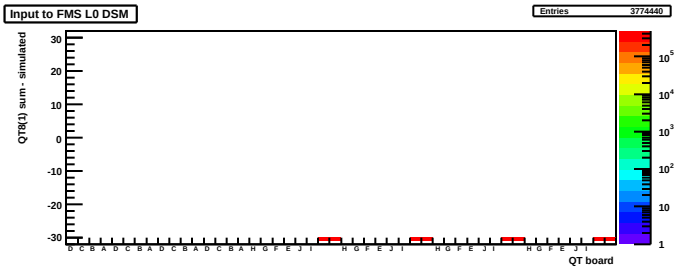

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

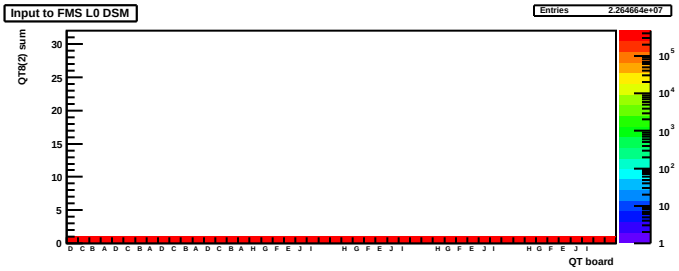

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

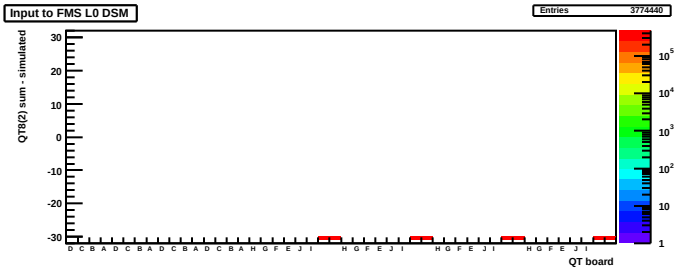

Input to FMS L0 DSM
Entries 2.264664e+07
QT8(0) sum
QT board

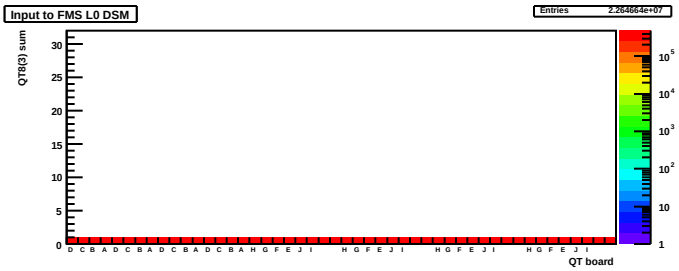

Input to FMS L0 DSM
Entries 3774440
QT8(0) sum - simulated
QT board

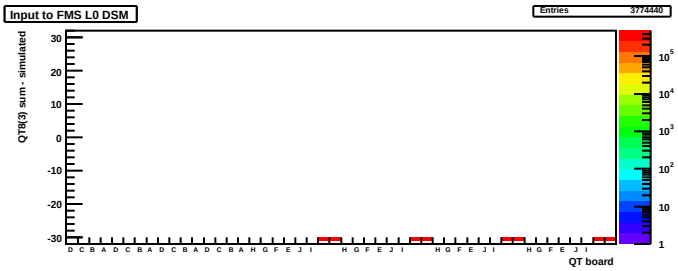

Input to FMS L0 DSM
Entries 2.264664e+07
QT8(1) sum
QT board

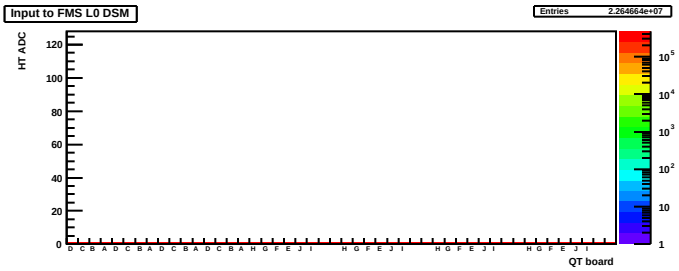

Input to FMS L0 DSM
Entries 3774440
QT8(1) sum - simulated
QT board

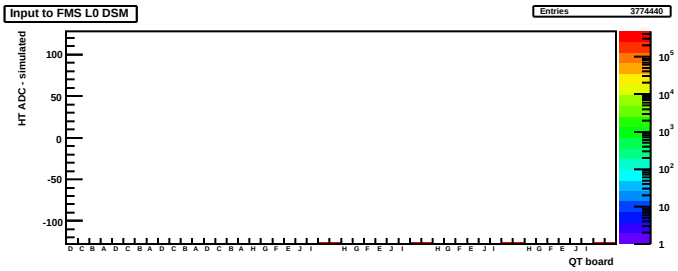

Input to FMS L0 DSM
Entries 2.264664e+07
QT8(2) sum
QT board

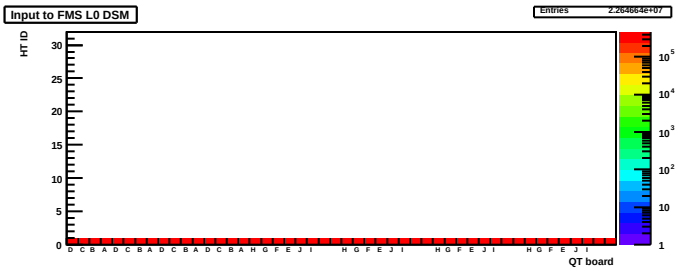

Input to FMS L0 DSM
Entries 3774440
QT8(2) sum - simulated
QT board

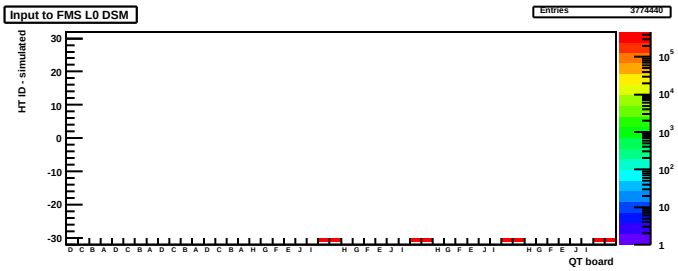

Input to FMS L0 DSM
Entries 2.264664e+07
QT8(3) sum
QT board

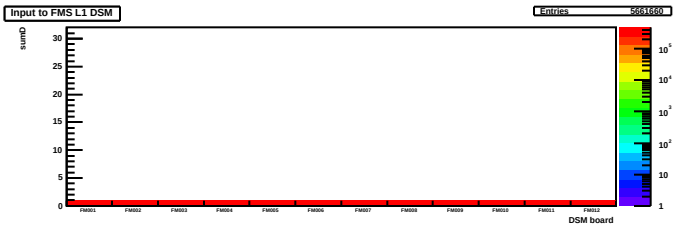

Input to FMS L0 DSM
Entries 3774440
QT8(3) sum - simulated
QT board

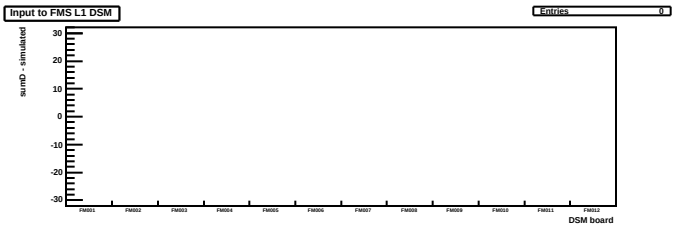

Input to FMS L0 DSM
Entries 2.264664e+07
HT ADC
QT board

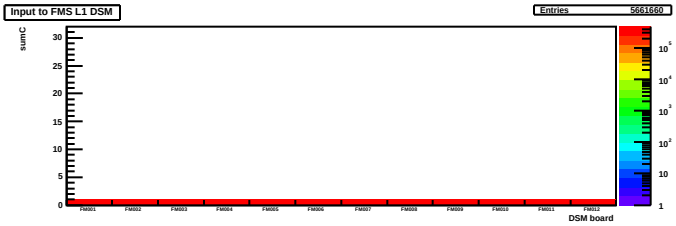

Input to FMS L0 DSM
Entries 3774440
HT ADC - simulated
QT board

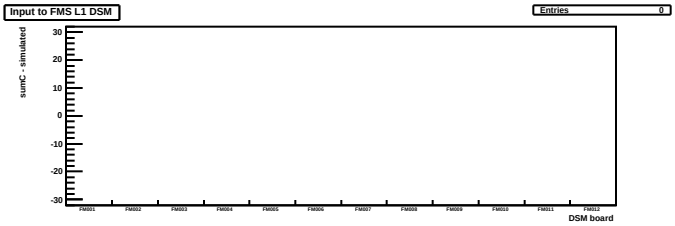

Input to FMS L0 DSM
Entries 2.264664e+07
HT ID
QT board

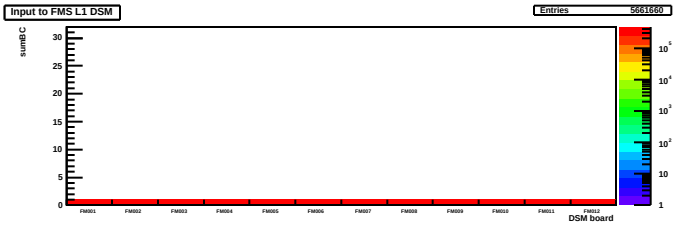

Input to FMS L0 DSM
Entries 3774440
HT ID - simulated
QT board

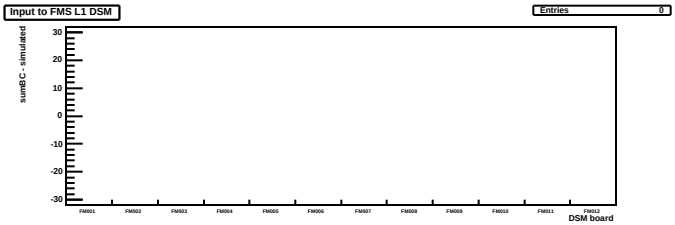

Input to FMS L1 DSM
Entries 5661660
sumD
DSM board

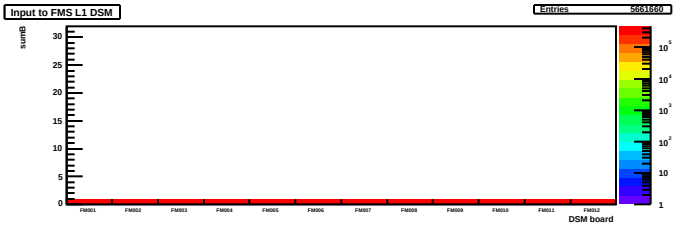

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

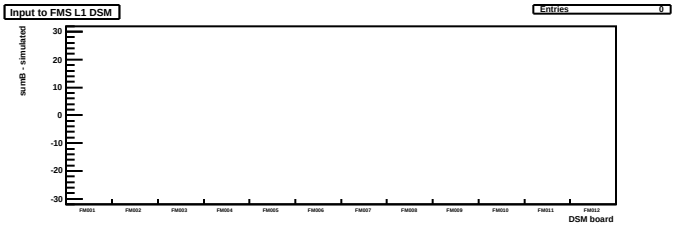

Input to FMS L1 DSM
Entries 5661660
sumC
DSM board

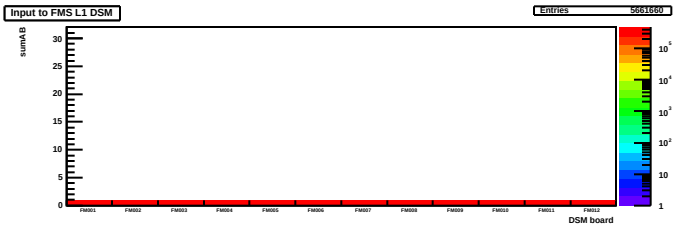

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

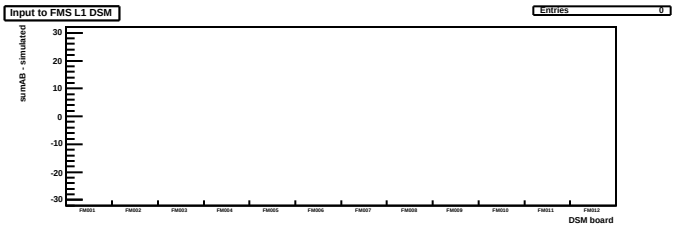

Input to FMS L1 DSM
Entries 5661660
sumBC
DSM board

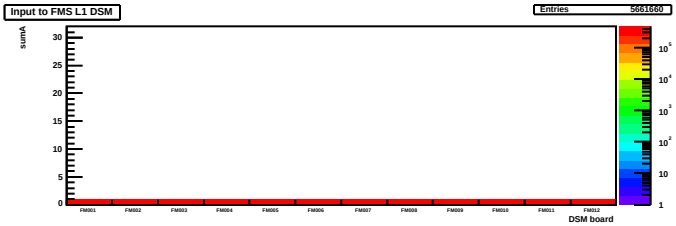

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

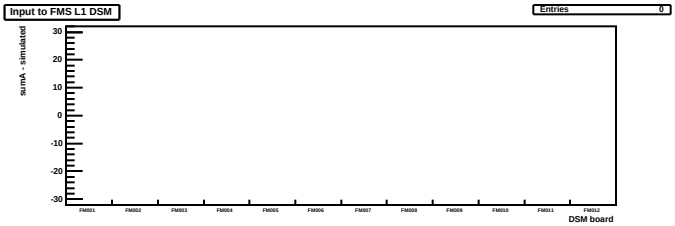

Input to FMS L1 DSM
Entries 5661660
sumB
DSM board

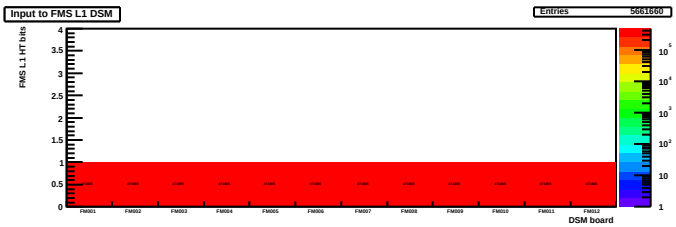

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

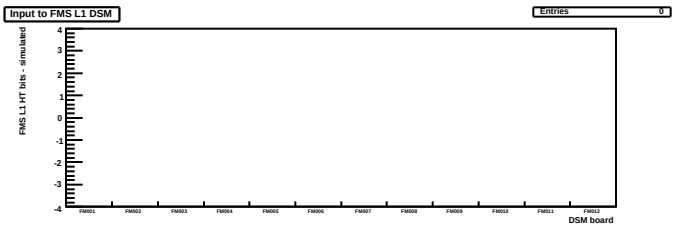

Input to FMS L1 DSM
Entries 5661660
sumAB
DSM board

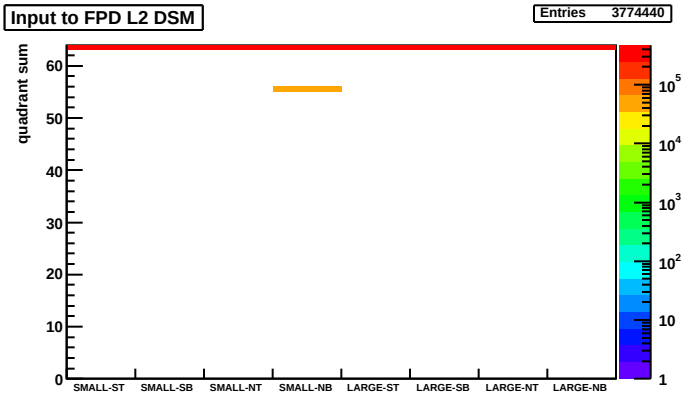

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

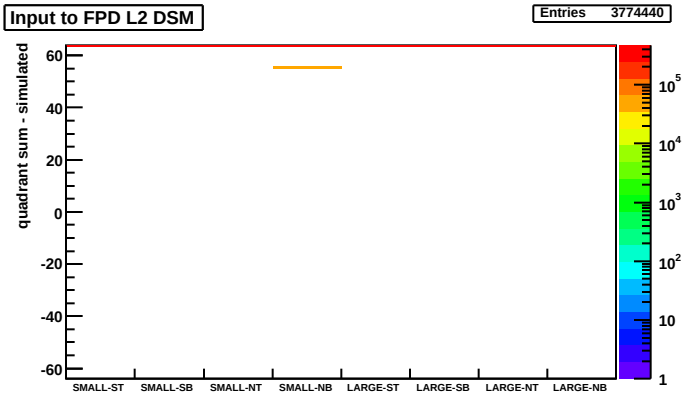

Input to FMS L1 DSM
Entries 5661660
sumA
DSM board

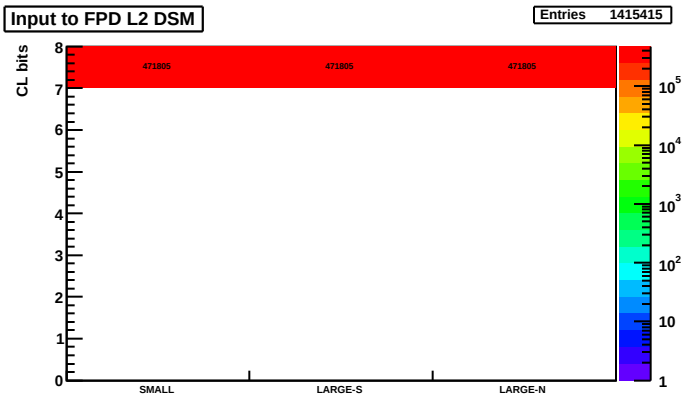

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

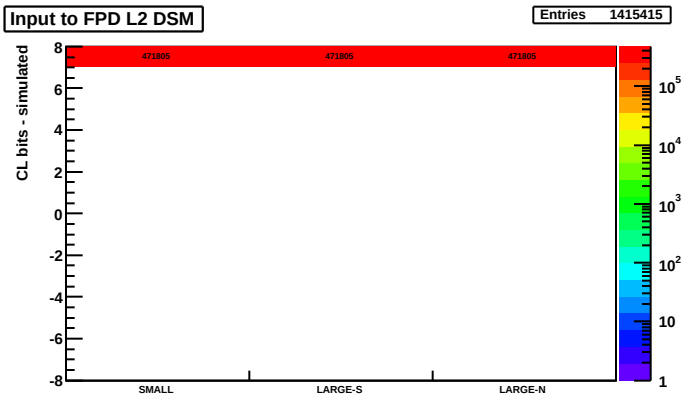

Input to FMS L1 DSM
Entries 5661660
FMS L1 HT bits
DSM board

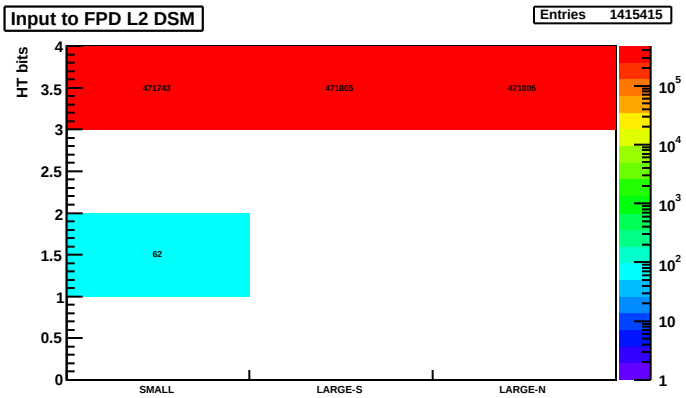

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

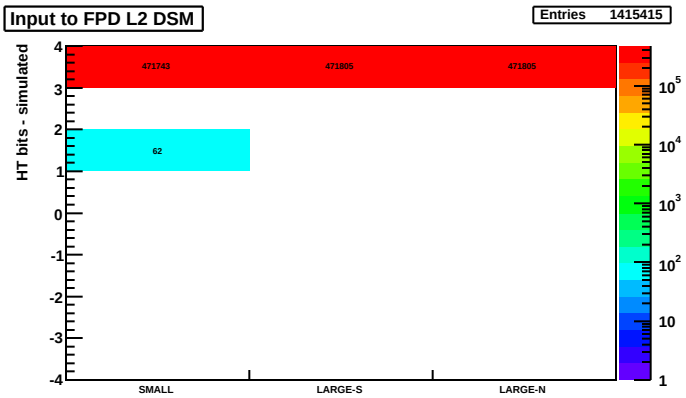

Input to FPD L2 DSM
Entries 3774440
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

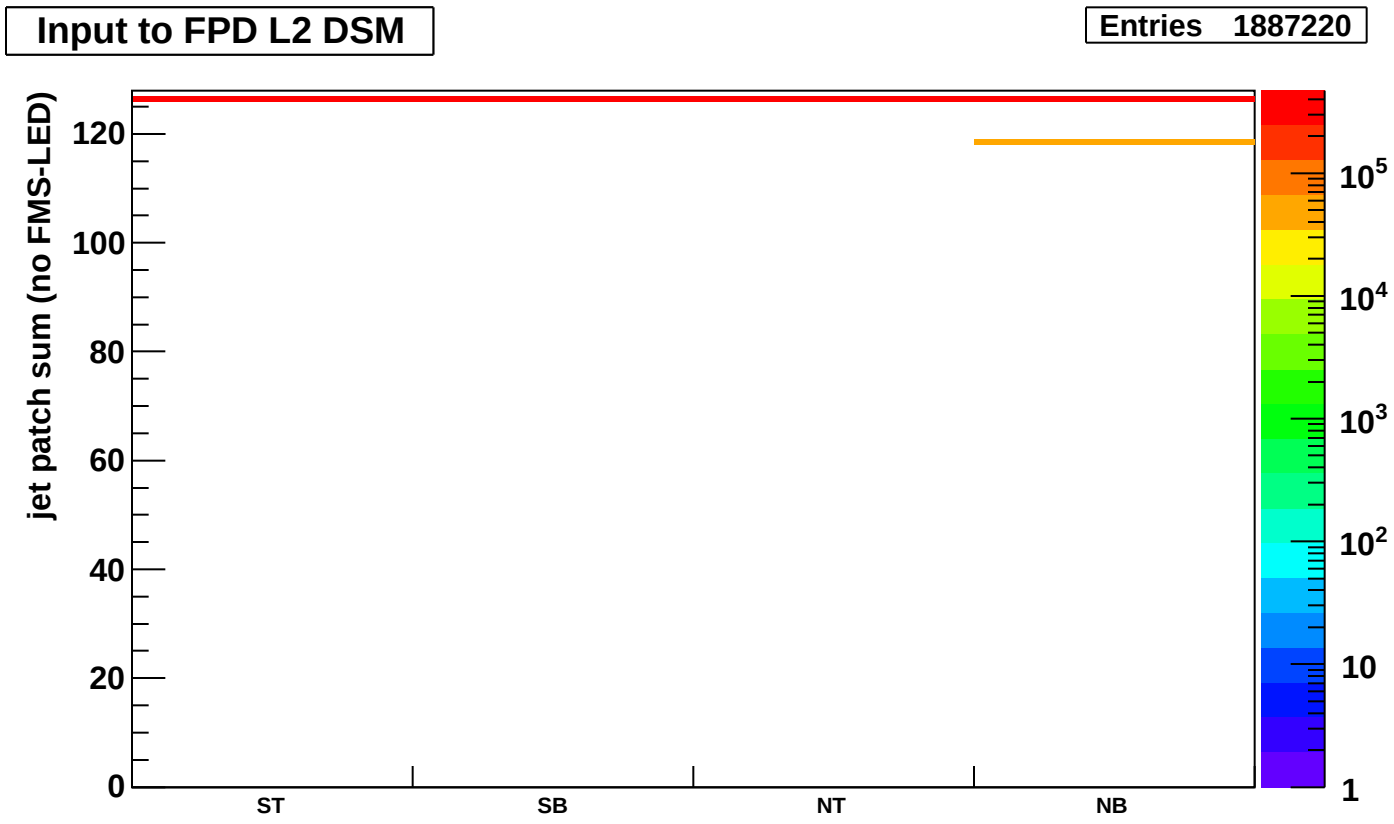

Input to FPD L2 DSM
Entries 3774440
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

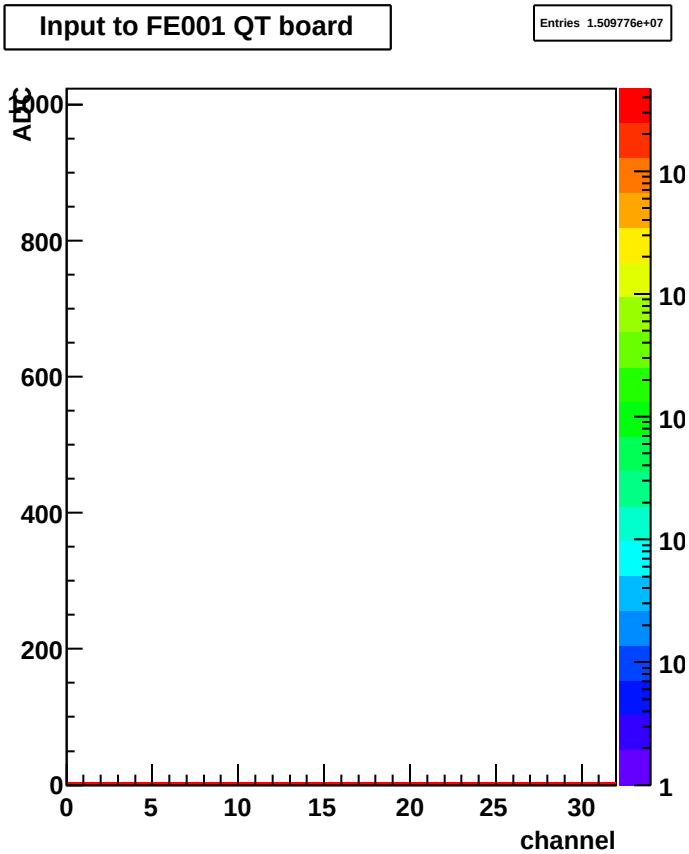

Input to FPD L2 DSM
Entries 1415415
CL bits
471805
471805
471805
SMALL
LARGE-S
LARGE-N

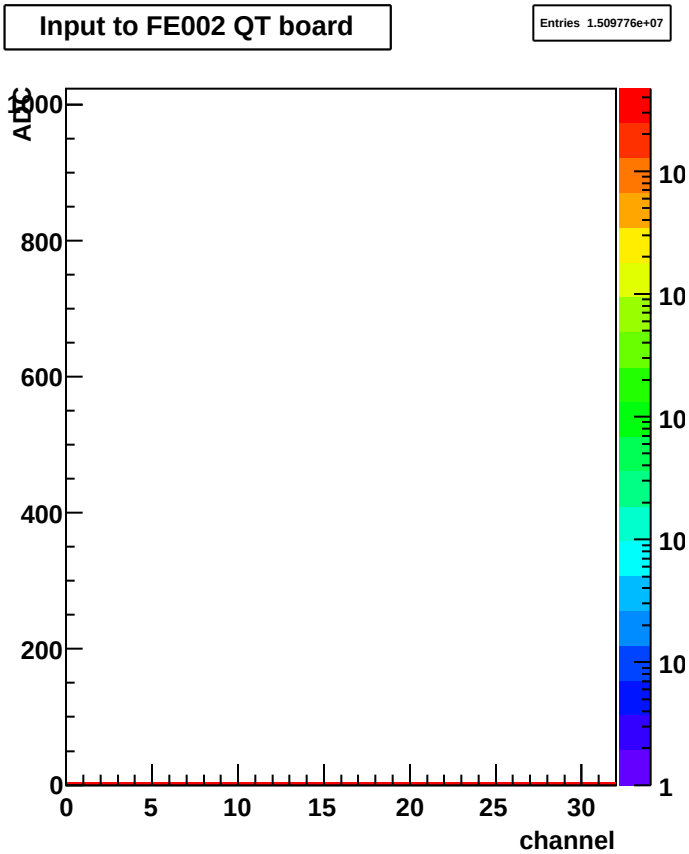

Input to FPD L2 DSM
Entries 1415415
CL bits - simulated
471805
471805
471805
SMALL
LARGE-S
LARGE-N

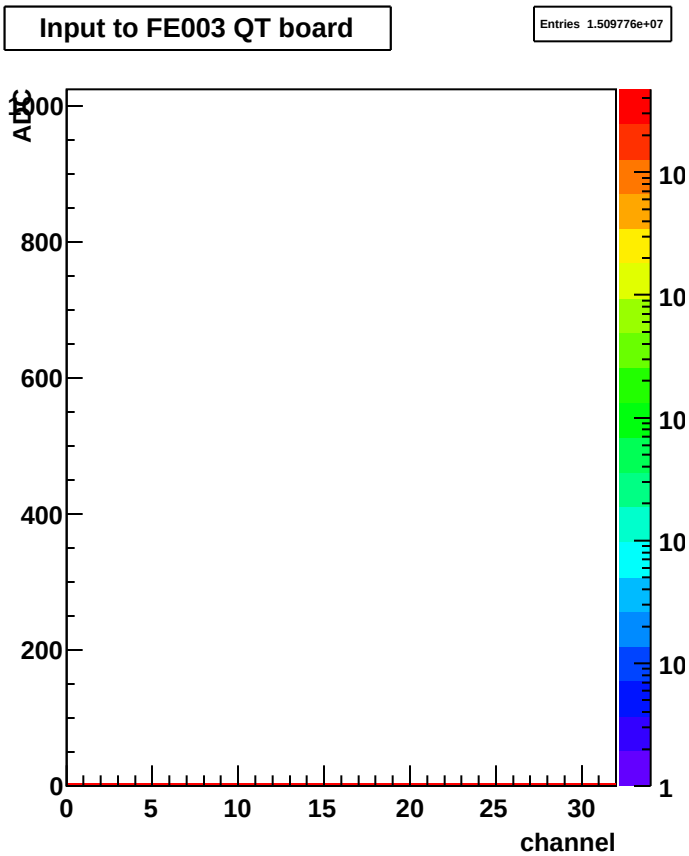

Input to FPD L2 DSM
Entries 1415415
HT bits
471743
471805
471805
62
SMALL
LARGE-S
LARGE-N

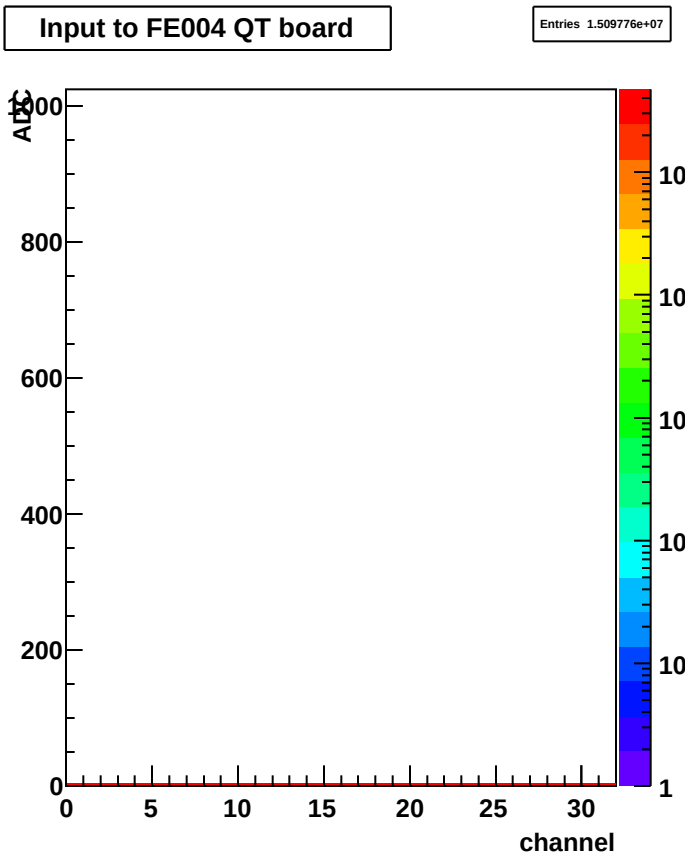

Input to FPD L2 DSM
Entries 1415415
HT bits - simulated
471743
471805
471805
62
SMALL
LARGE-S
LARGE-N

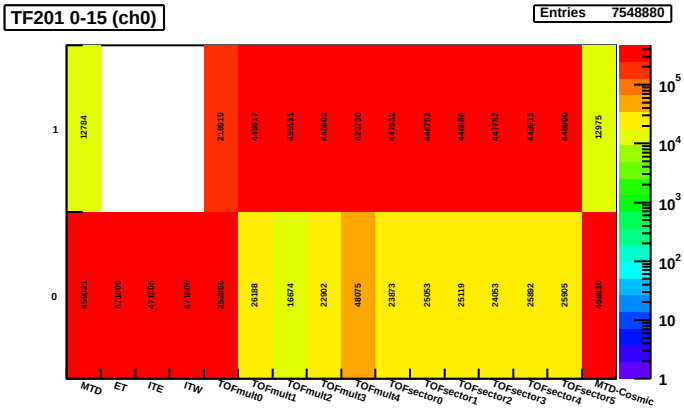

Input to FPD L2 DSM
Entries 1887220
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

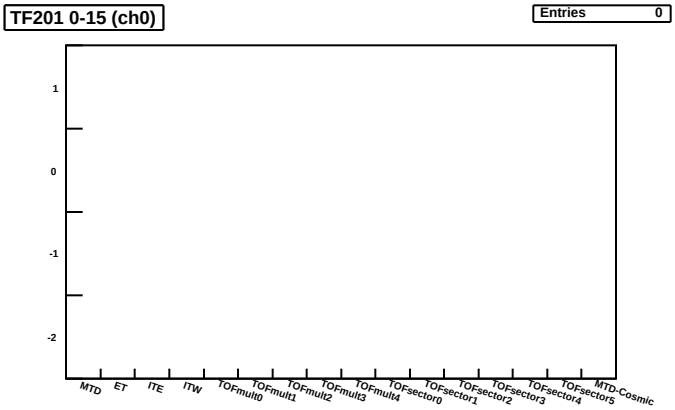

Input to FE001 QT board
Entries 1.509776e+07
ADC
channel

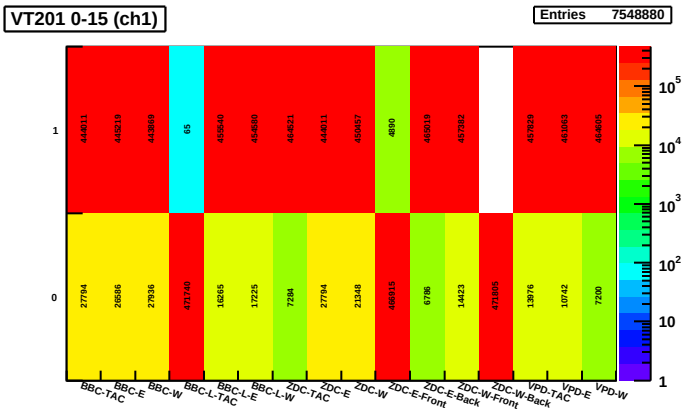

Input to FE002 QT board
Entries 1.509776e+07
ADC
channel

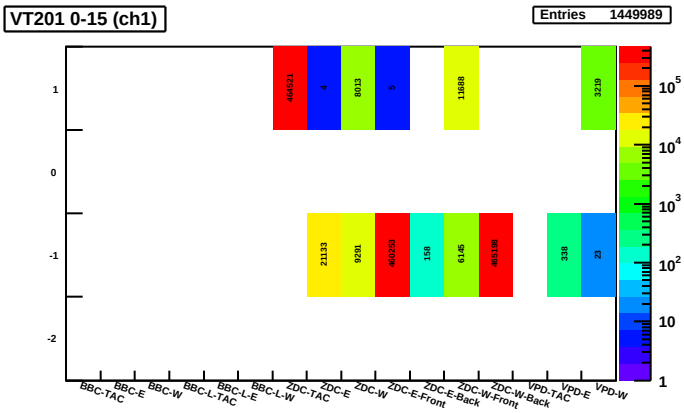

Input to FE003 QT board
Entries 1.509776e+07
ADC
channel

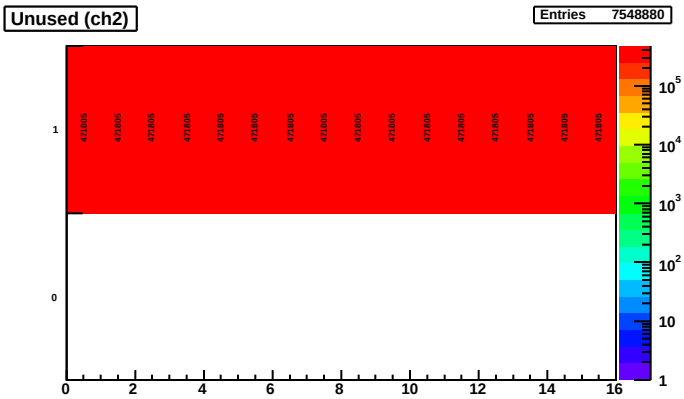

Input to FE004 QT board
Entries 1.509776e+07
ADC
channel

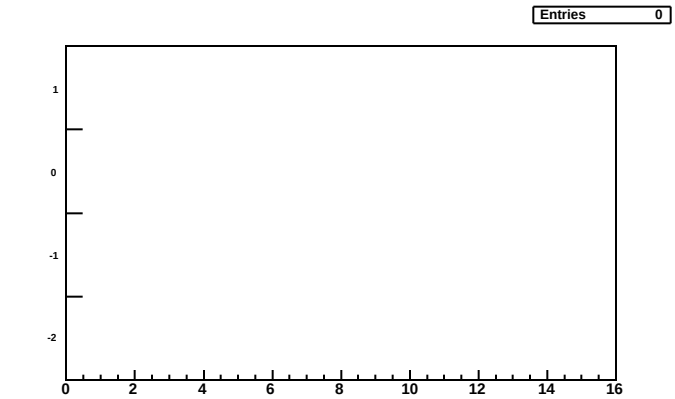

TF201 0-15 (ch0)
Entries 7548880
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

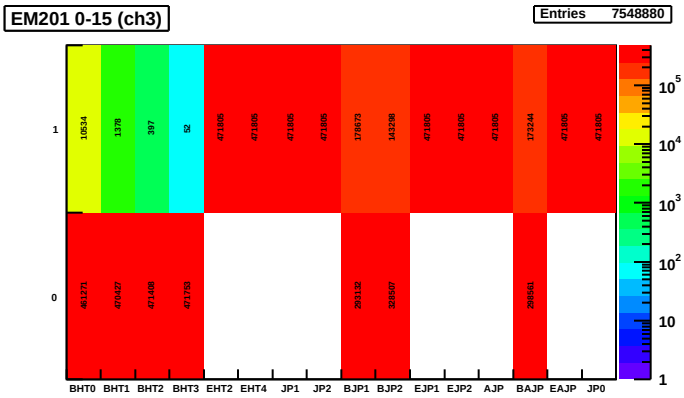

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

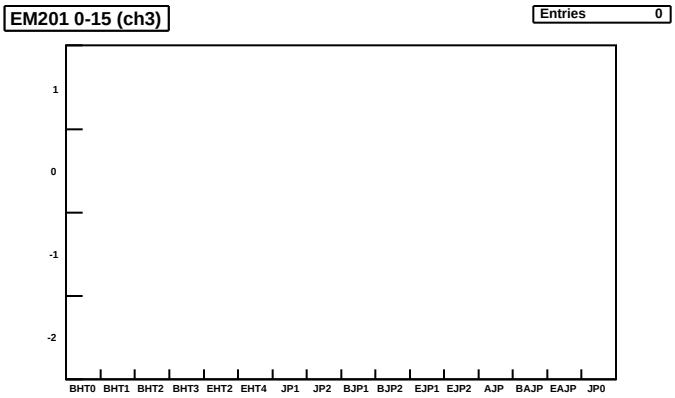

VT201 0-15 (ch1)
Entries 7548880
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1449989
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

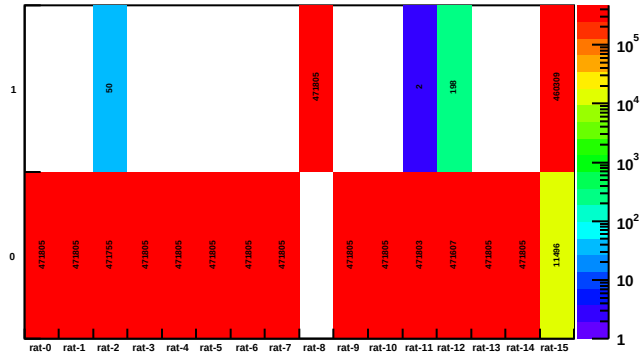

Unused (ch2)
Entries 7548880

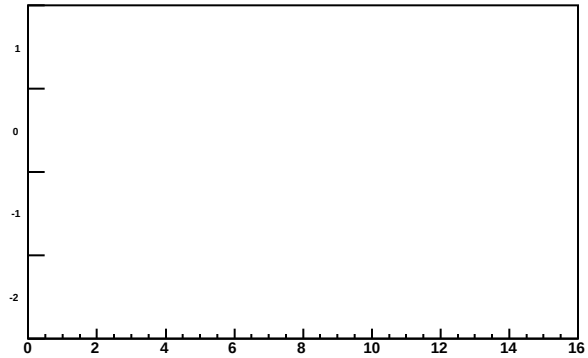

Entries 0


EM201 0-15 (ch3)
Entries 7548880
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

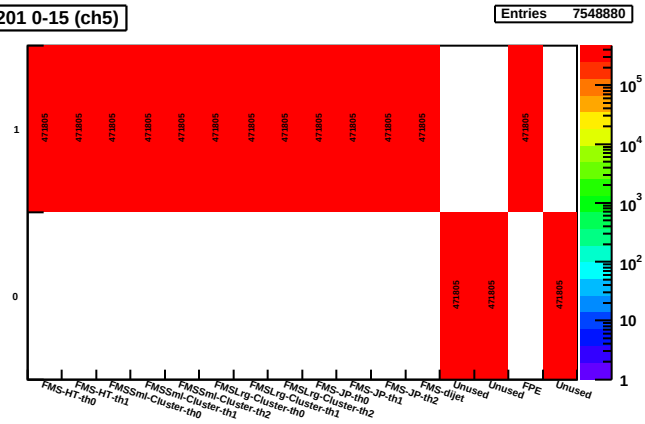

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

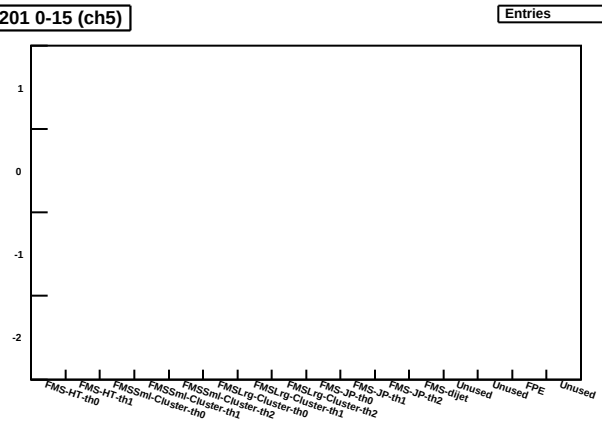




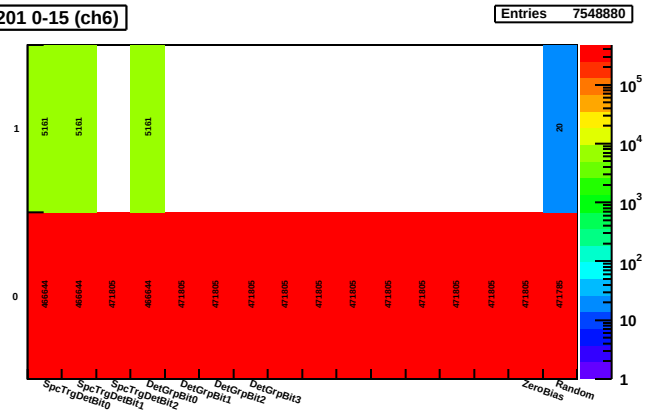
FP201 0-15 (ch5)

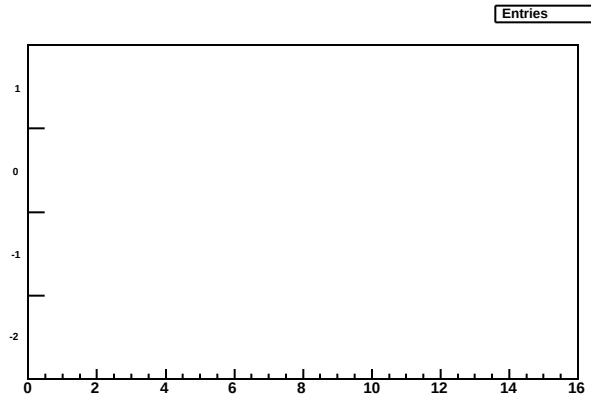
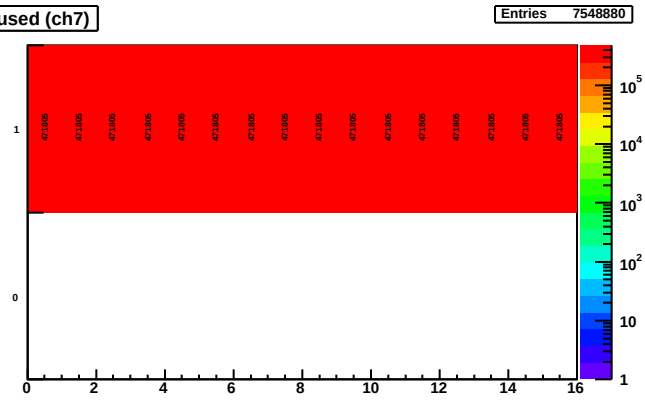
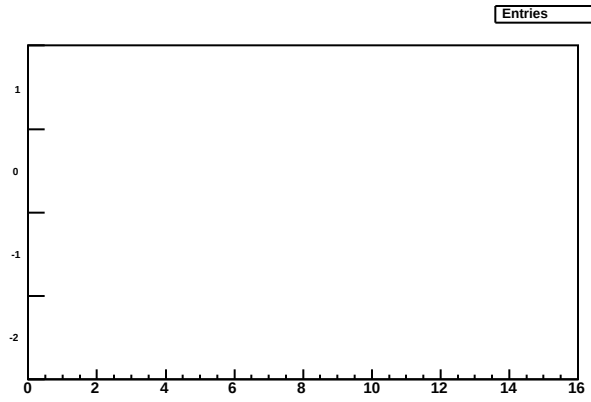


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)