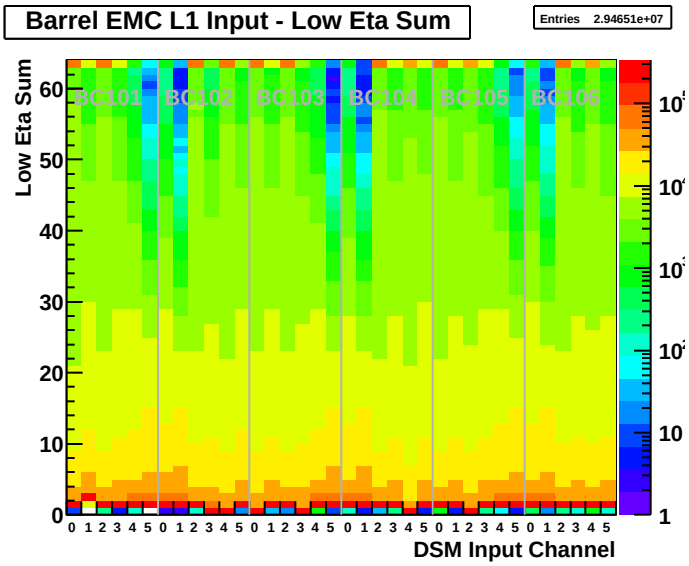
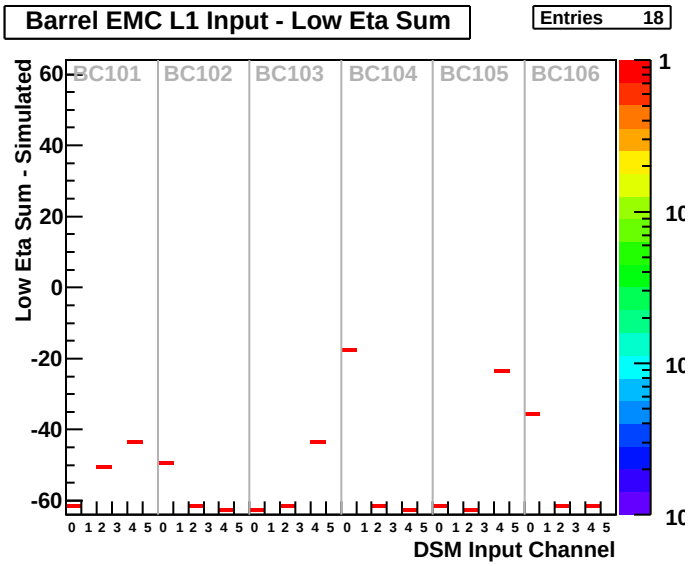
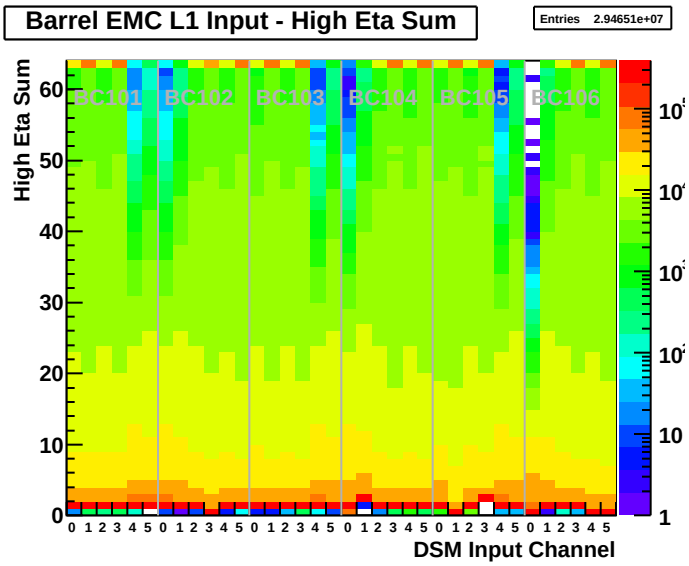
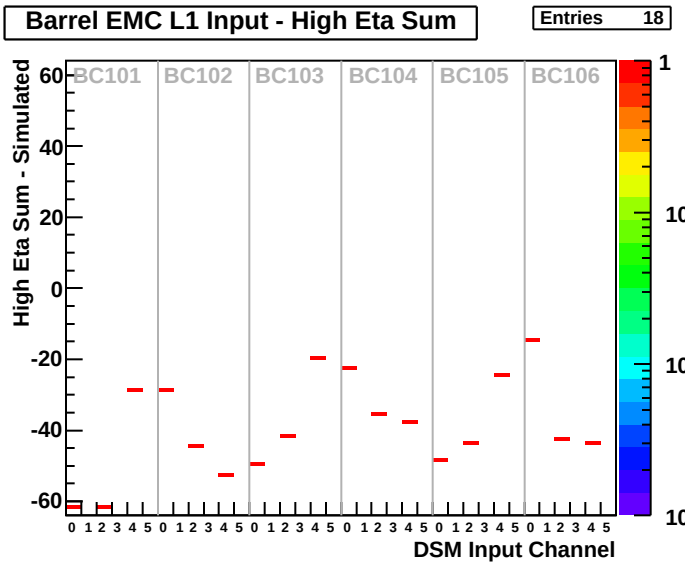
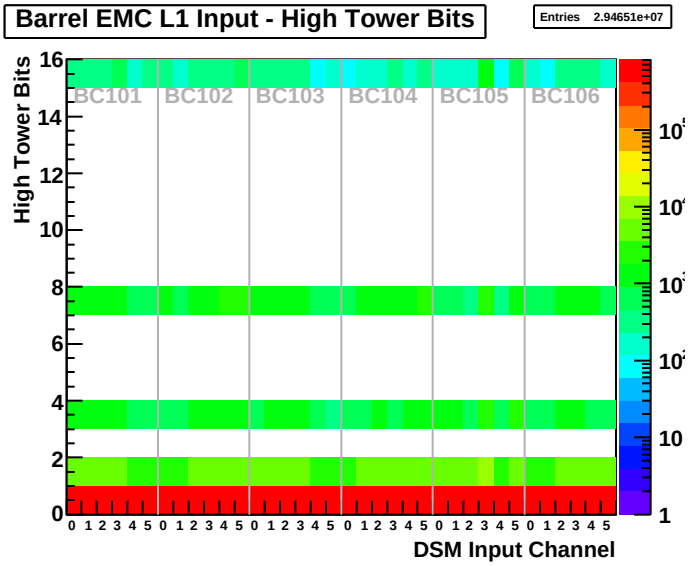
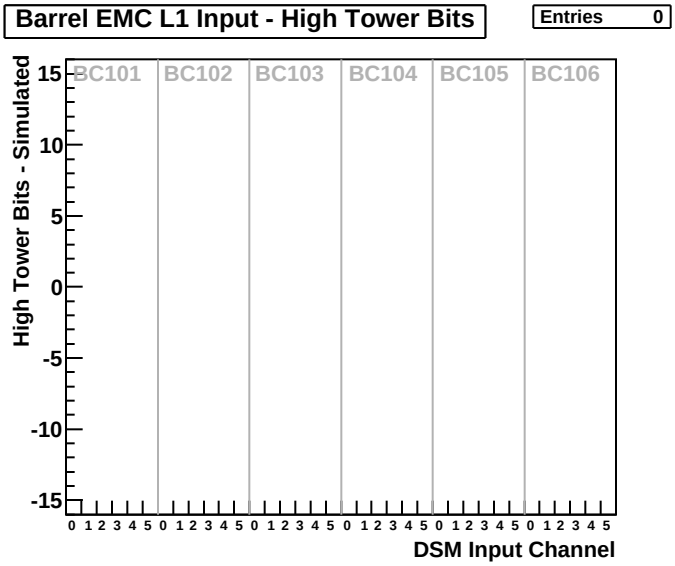

Barrel EMC L1 Input - Low Eta Sum
Entries 2.94651e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

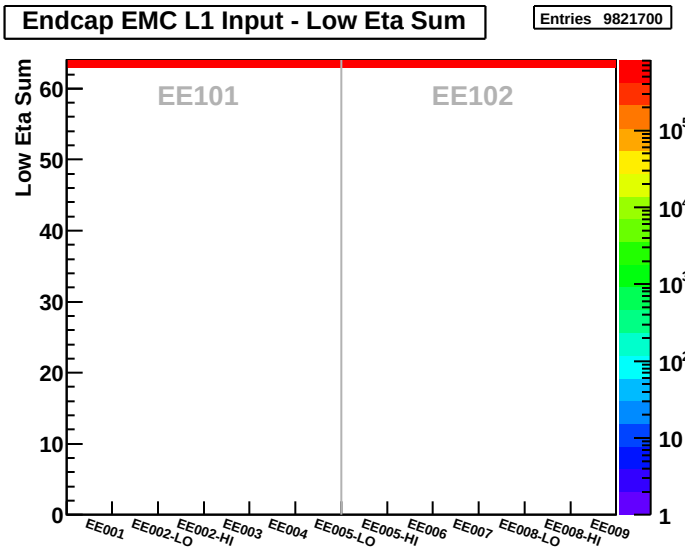

Barrel EMC L1 Input - Low Eta Sum
Entries 18
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

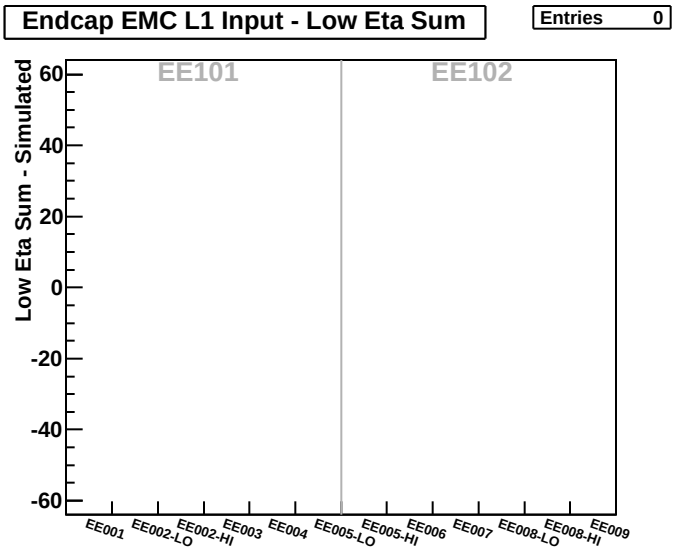

Barrel EMC L1 Input - High Eta Sum
Entries 2.94651e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

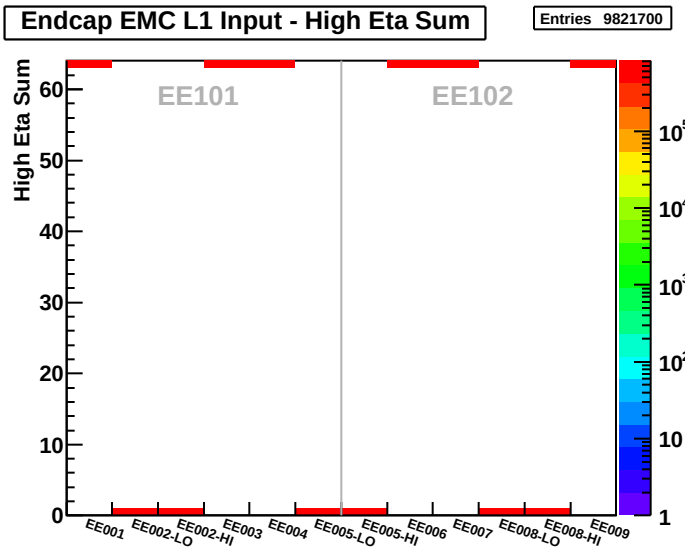

Barrel EMC L1 Input - High Eta Sum
Entries 18
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

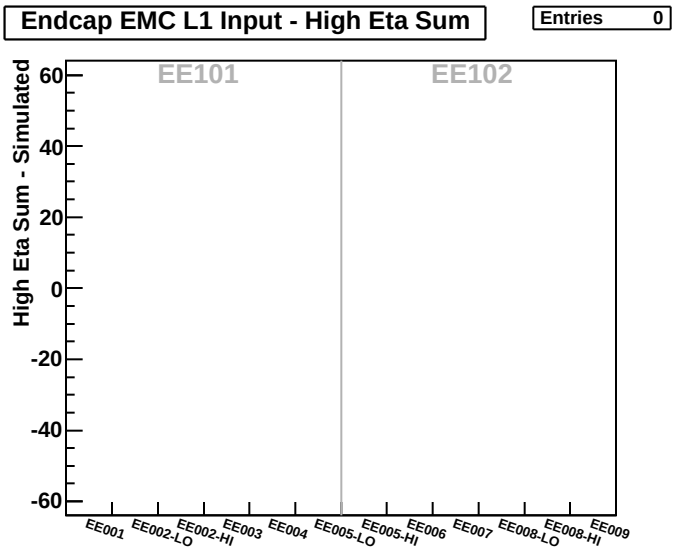

Barrel EMC L1 Input - High Tower Bits
Entries 2.94651e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

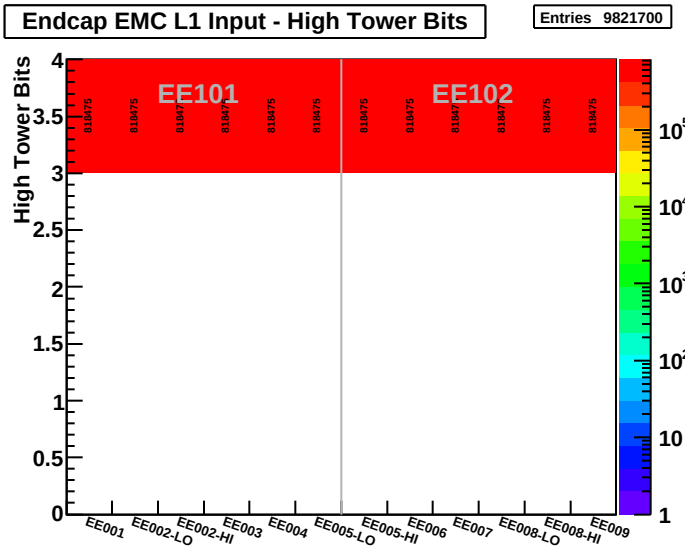

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

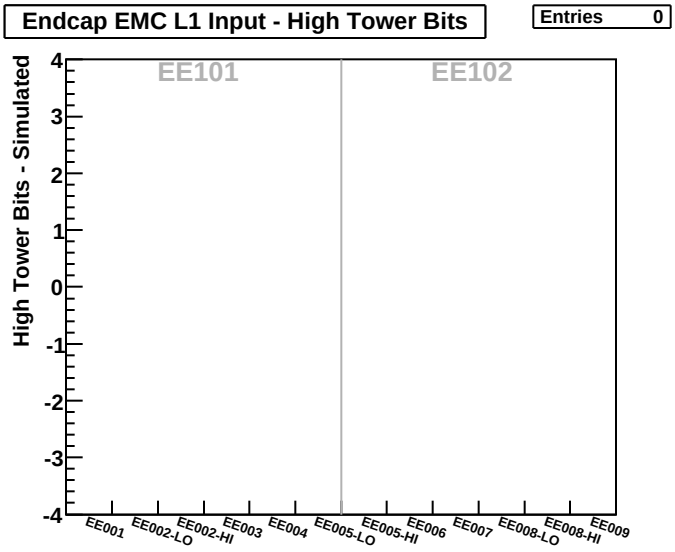

Endcap EMC L1 Input - Low Eta Sum
Entries 9821700
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

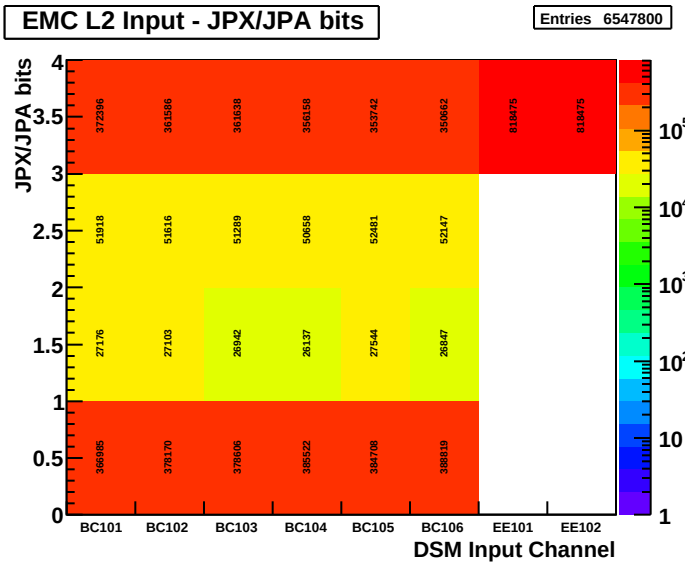

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

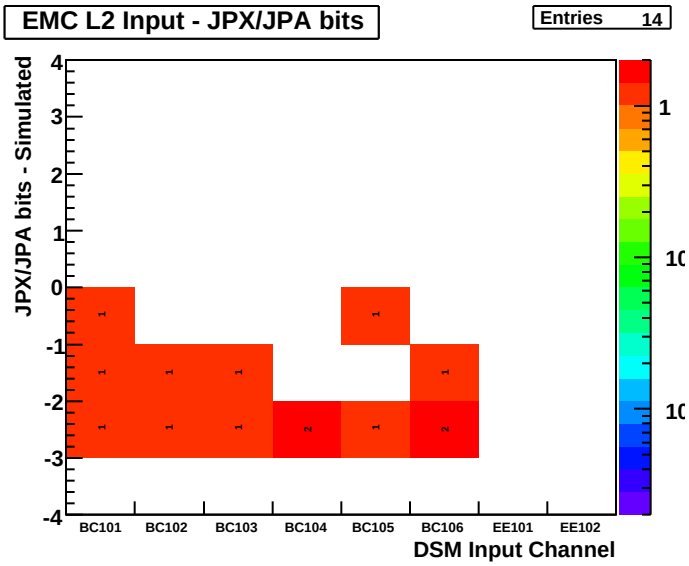

Endcap EMC L1 Input - High Eta Sum
Entries 9821700
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

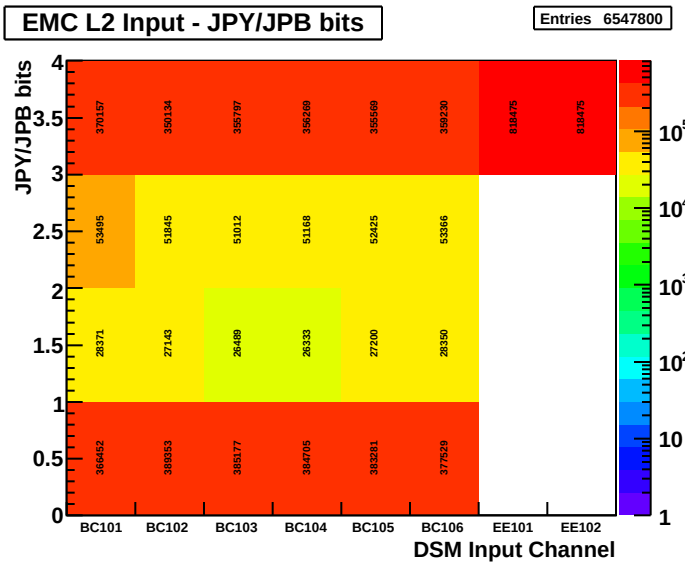

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

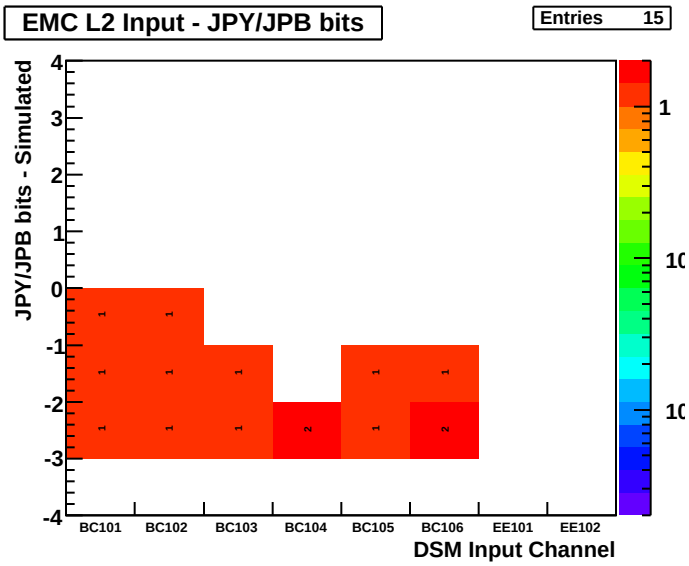

Endcap EMC L1 Input - High Tower Bits
Entries 9821700
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

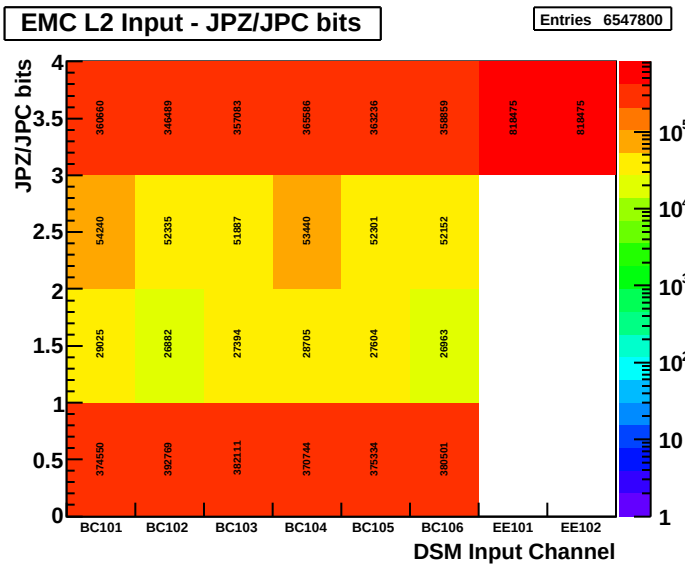

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

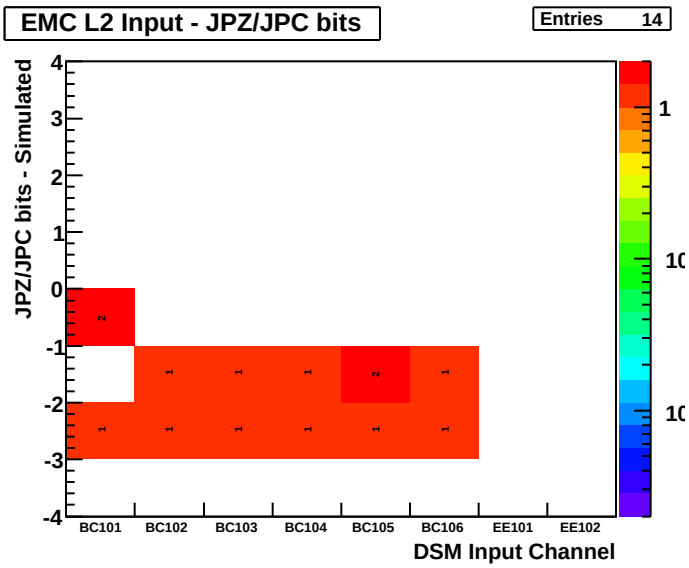

EMC L2 Input - JPX/JPA bits
Entries 6547800
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
372396 361586 361638 356158 353742 350662 818475 818475
51918 51616 51289 50658 52481 52147
27176 27103 26942 26137 27544 26847
366985 378170 378606 385522 384708 388819

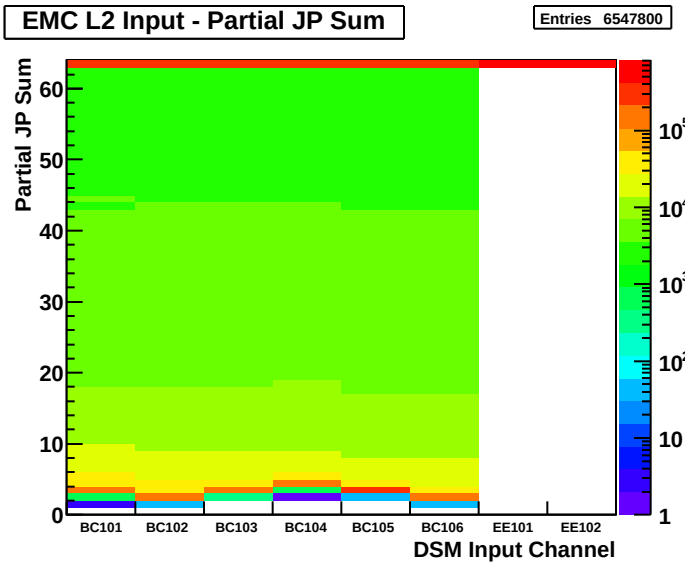

EMC L2 Input - JPX/JPA bits
Entries 14
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

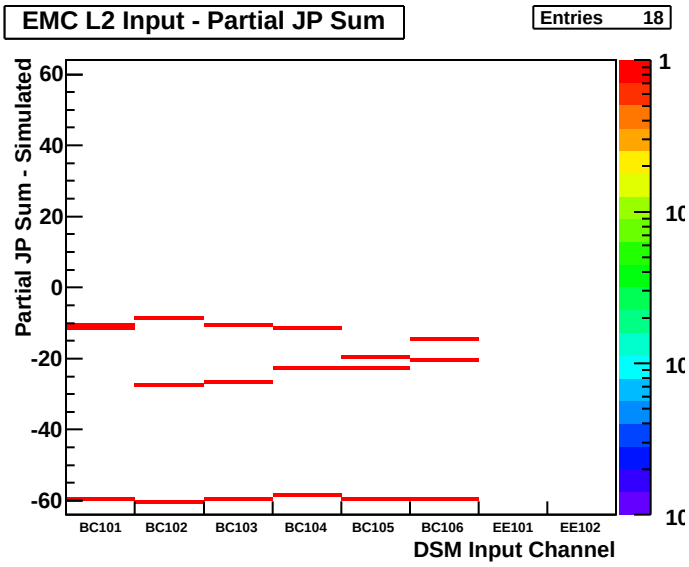

EMC L2 Input - JPY/JPB bits
Entries 6547800
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
370157 350134 355797 356269 355569 359230 818475 818475
53495 51845 51012 51168 52425 53366
28371 27143 26489 26333 27200 28350
366452 388353 385177 384705 383281 377529

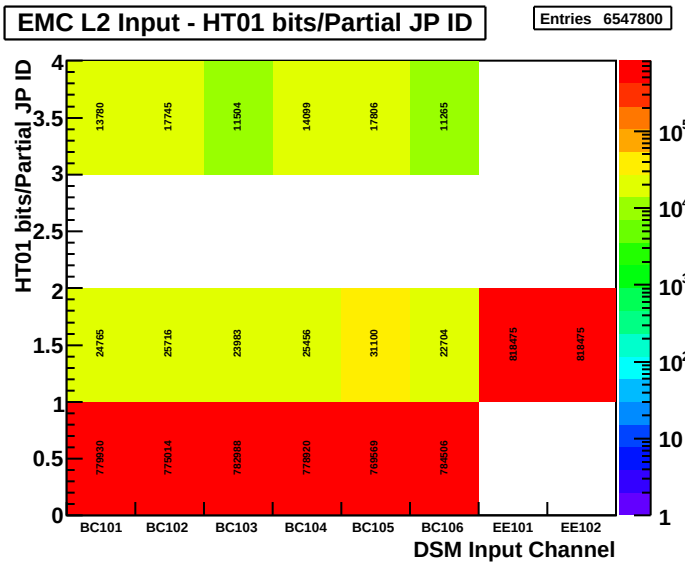

EMC L2 Input - JPY/JPB bits
Entries 15
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

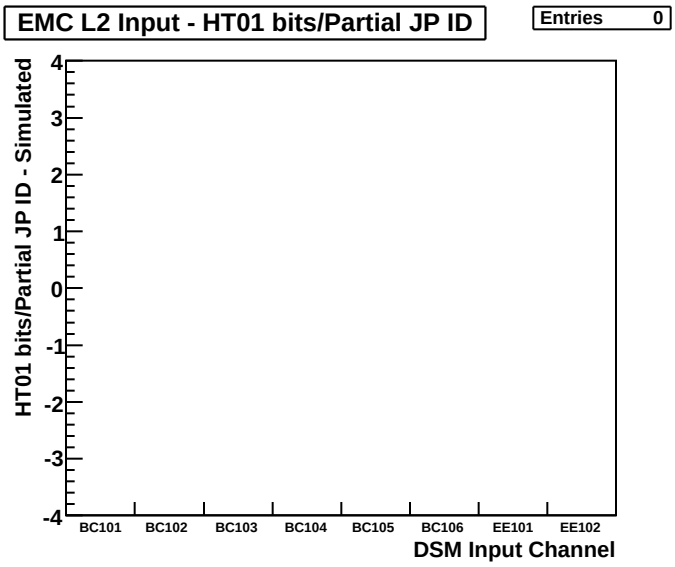

EMC L2 Input - JPZ/JPC bits
Entries 6547800
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
360660 346489 357083 365586 363236 358859 818475 818475
54240 52335 51887 53440 52301 52152
29025 26882 27394 28705 27604 26963
374550 392769 382111 370744 375334 380501

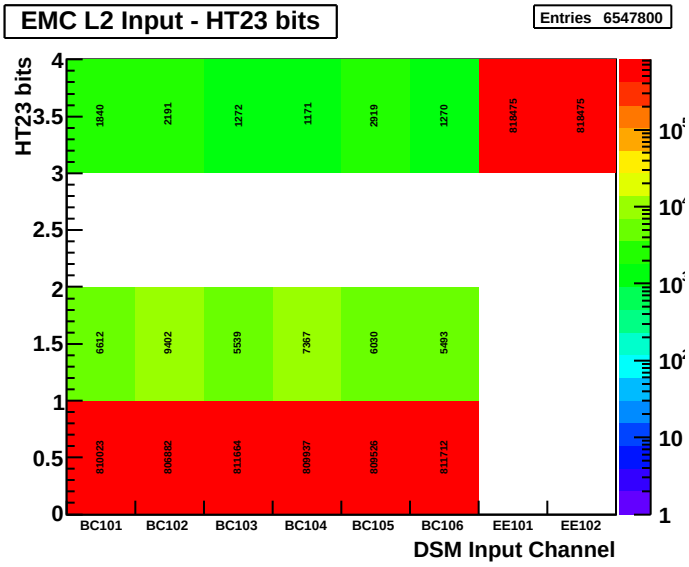

EMC L2 Input - JPZ/JPC bits
Entries 14
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

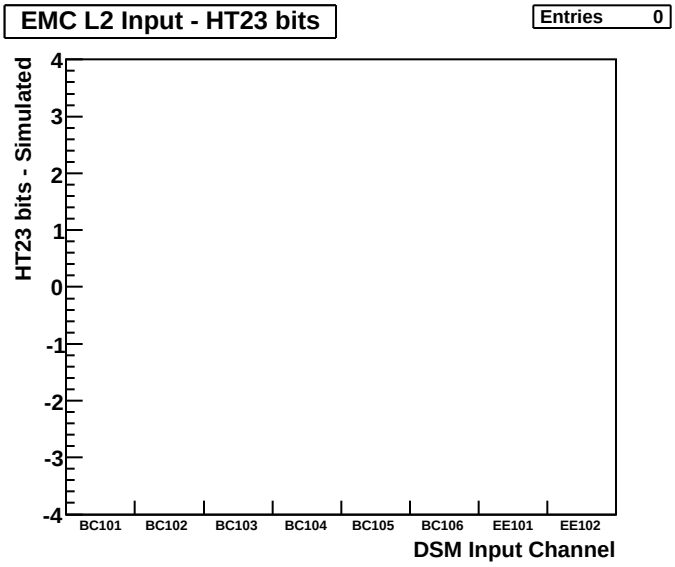

EMC L2 Input - Partial JP Sum
Entries 6547800
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

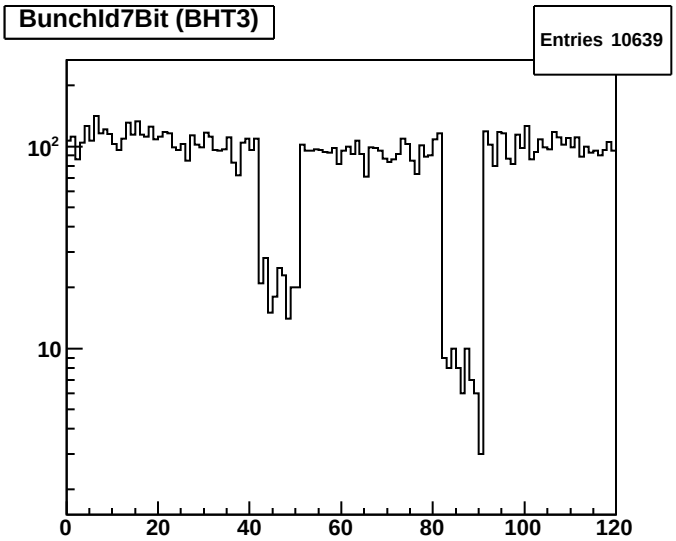

EMC L2 Input - Partial JP Sum
Entries 18
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

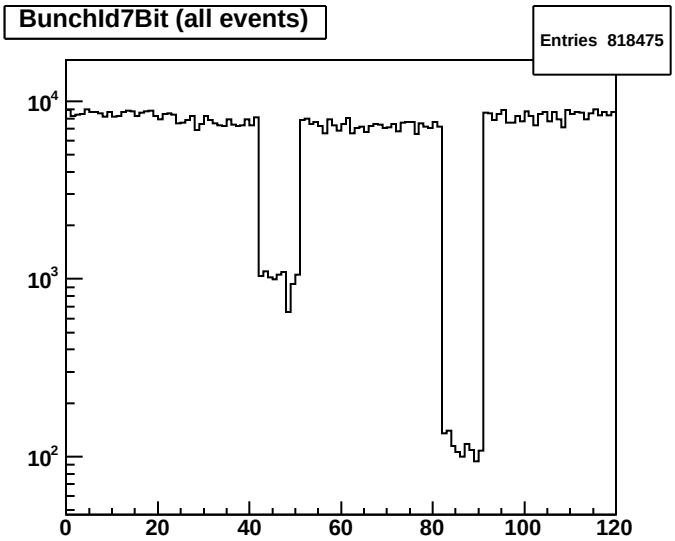

EMC L2 Input - HT01 bits/Partial JP ID
Entries 6547800
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

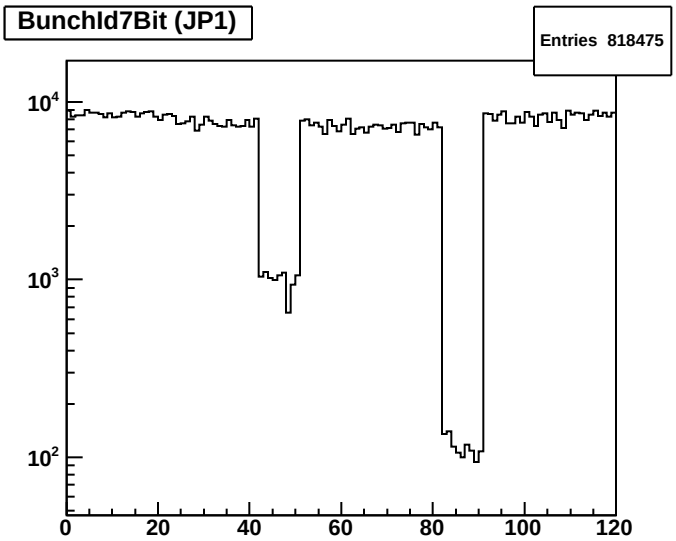

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

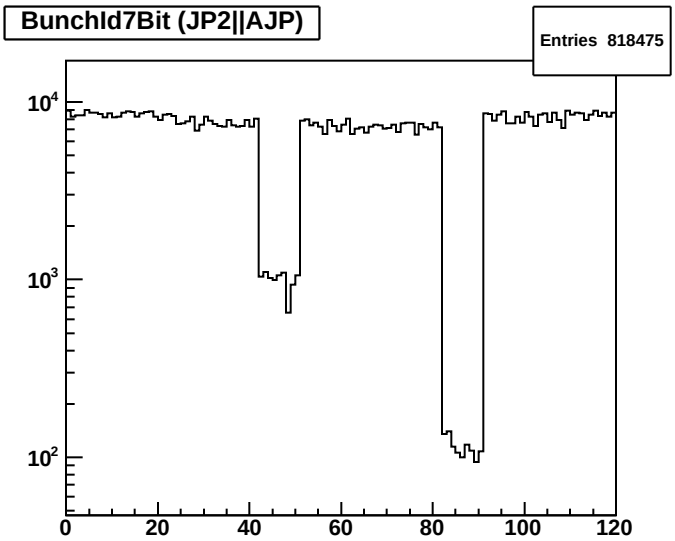

EMC L2 Input - HT23 bits
Entries 6547800
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

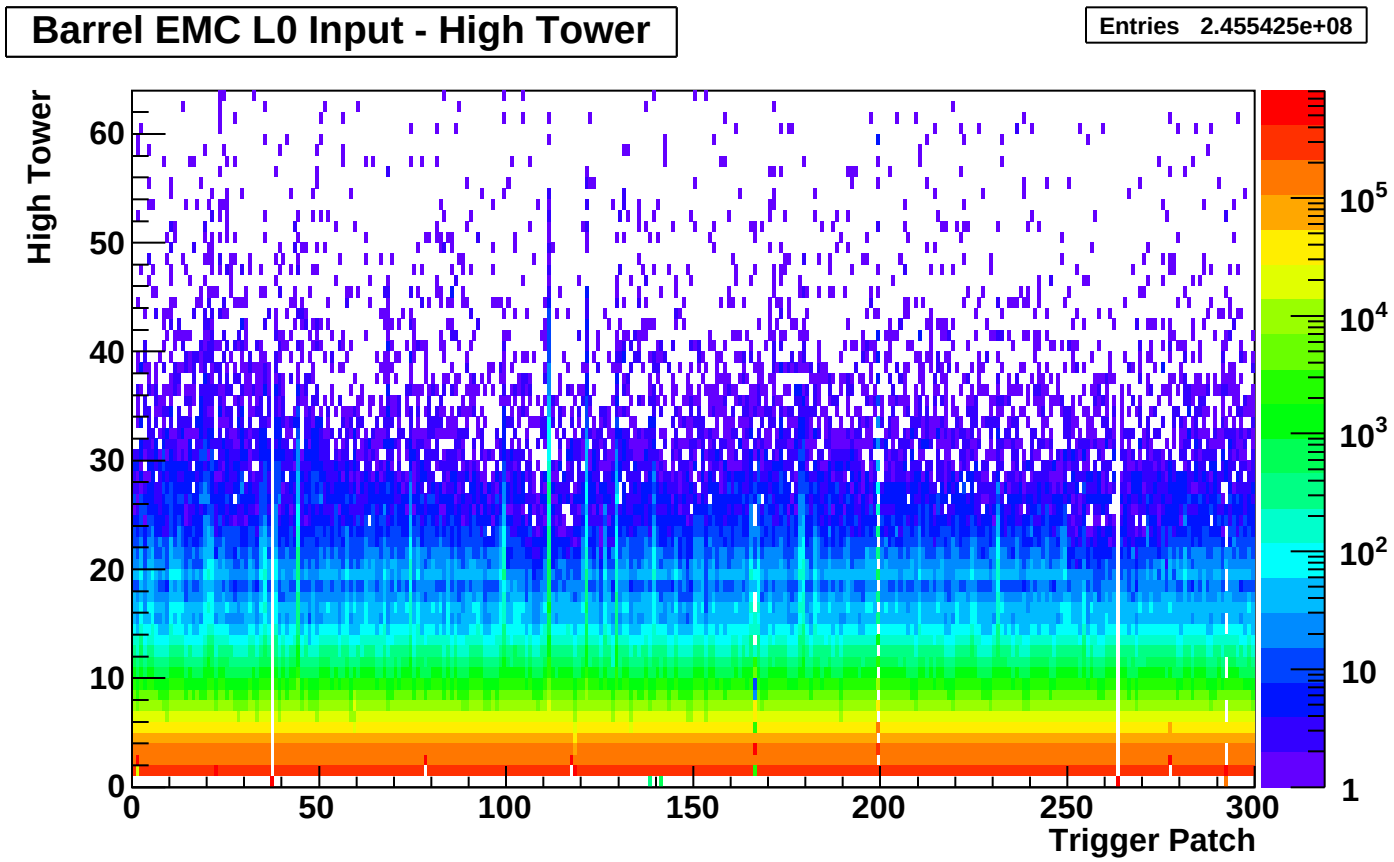

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

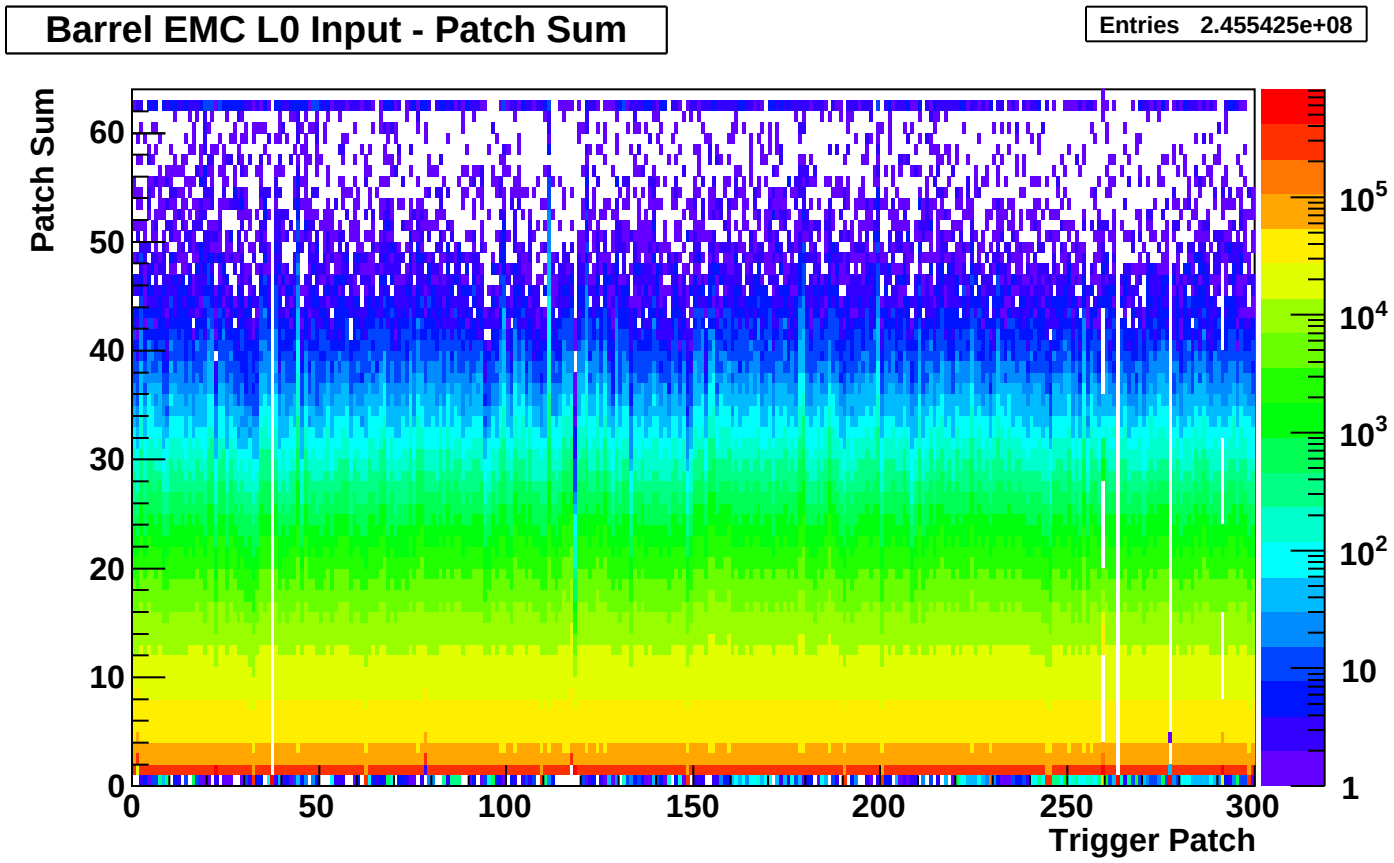

BunchId7Bit (BHT3)
Entries 10639
10^2
10
0
20
40
60
80
100
120

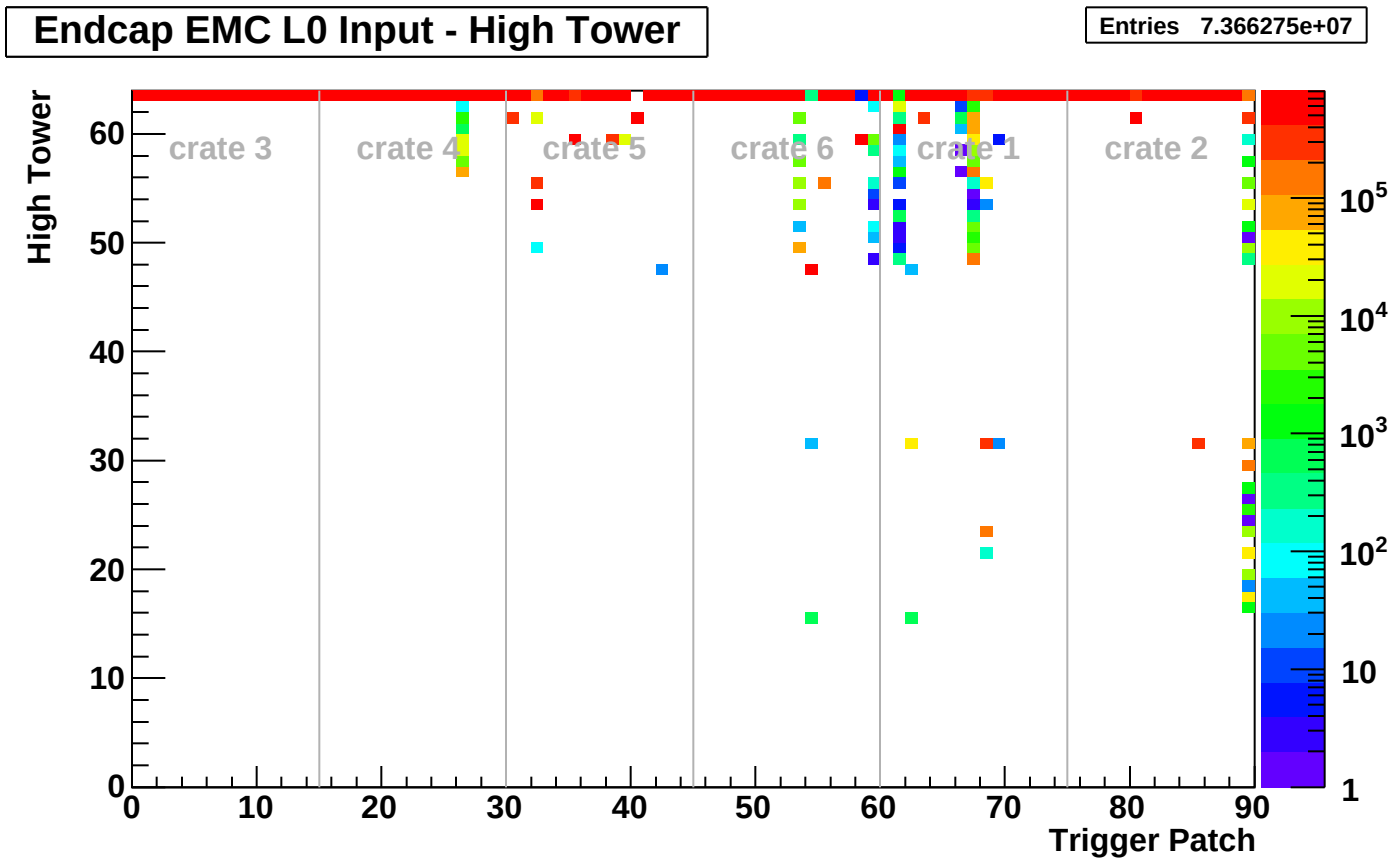

BunchId7Bit (all events)
Entries 818475
10^4
10^3
10^2
0
20
40
60
80
100
120

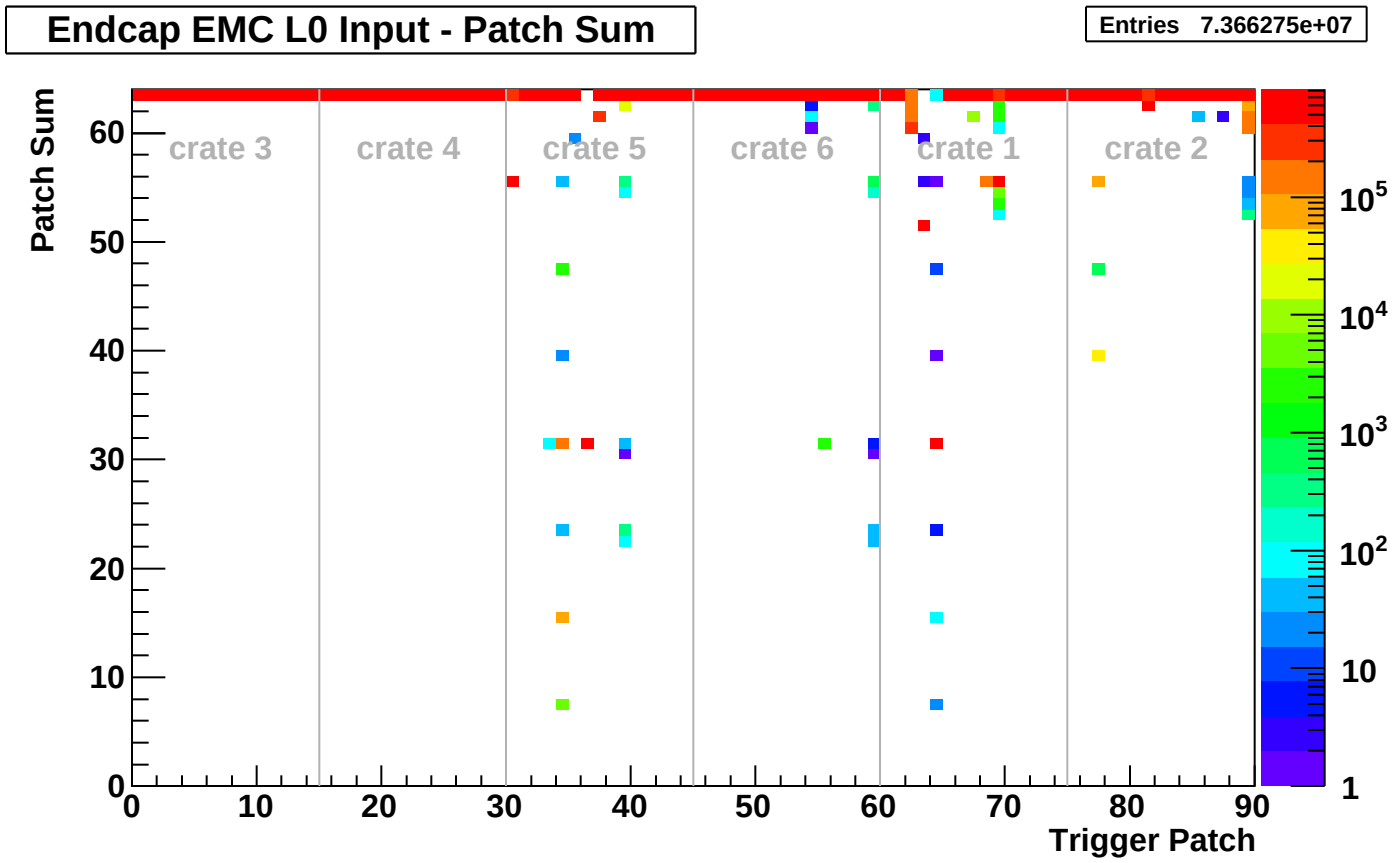

BunchId7Bit (JP1)
Entries 818475
10^4
10^3
10^2
0
20
40
60
80
100
120

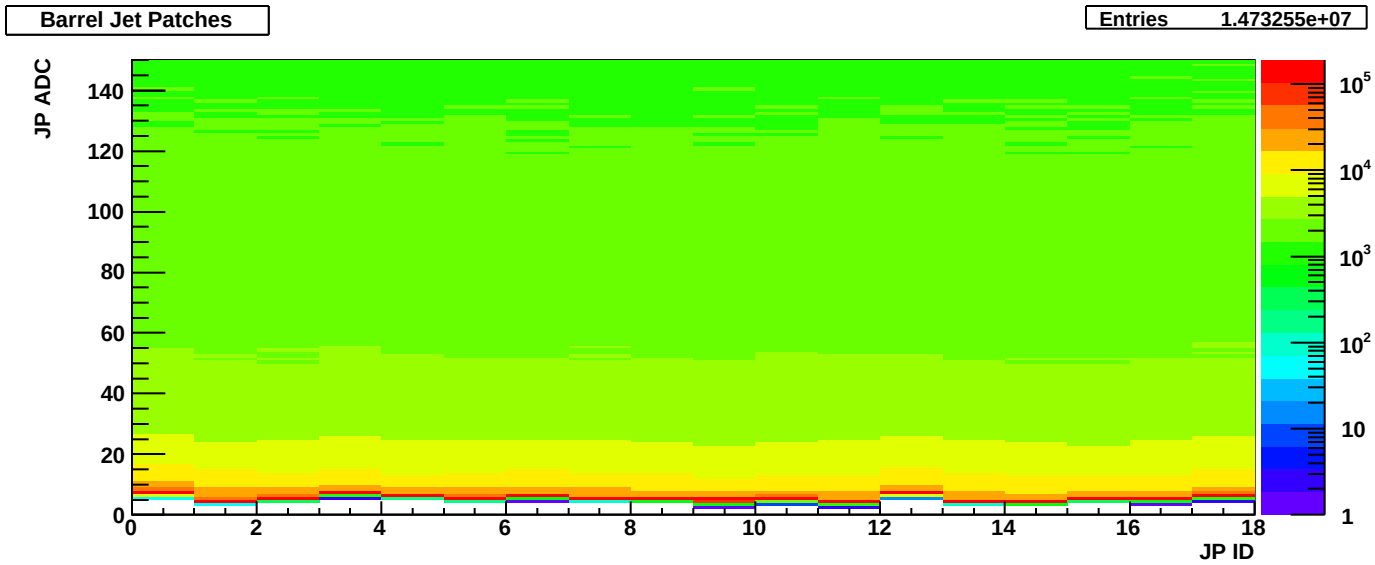

BunchId7Bit (JP2||AJP)
Entries 818475
10^4
10^3
10^2
0
20
40
60
80
100
120

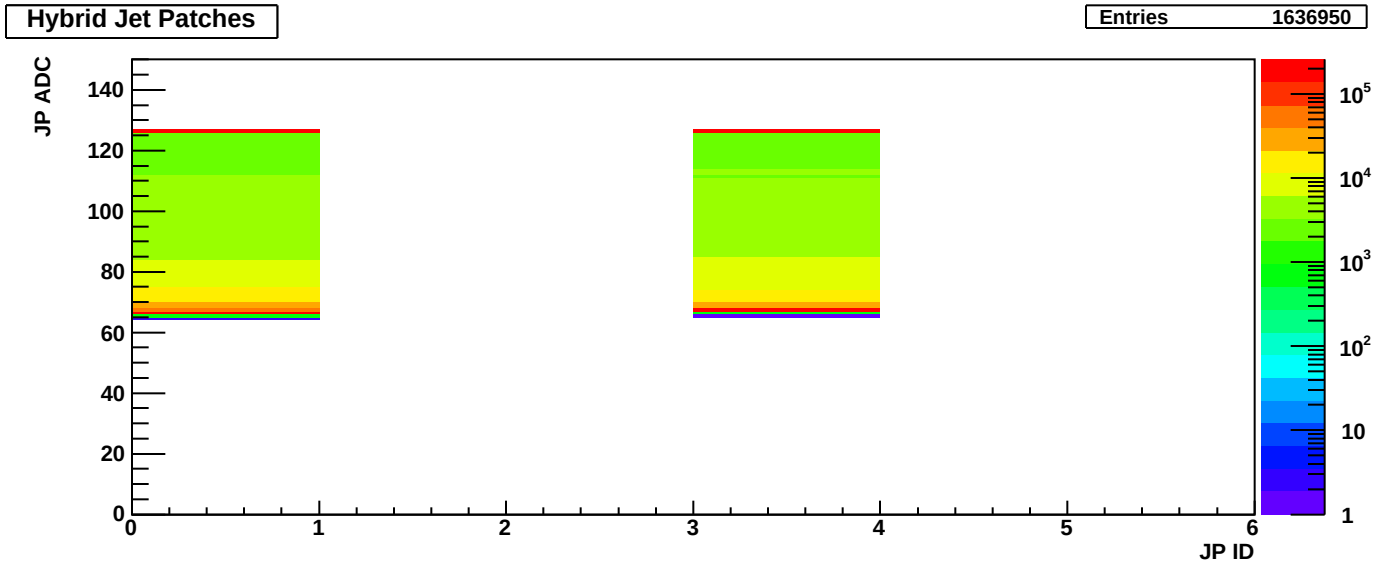

Barrel EMC L0 Input - High Tower
Entries 2.455425e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

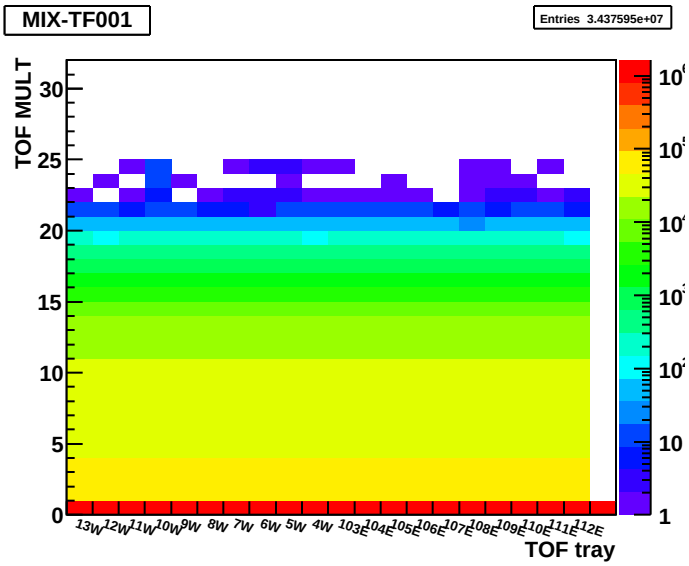

Barrel EMC L0 Input - Patch Sum
Entries 2.455425e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

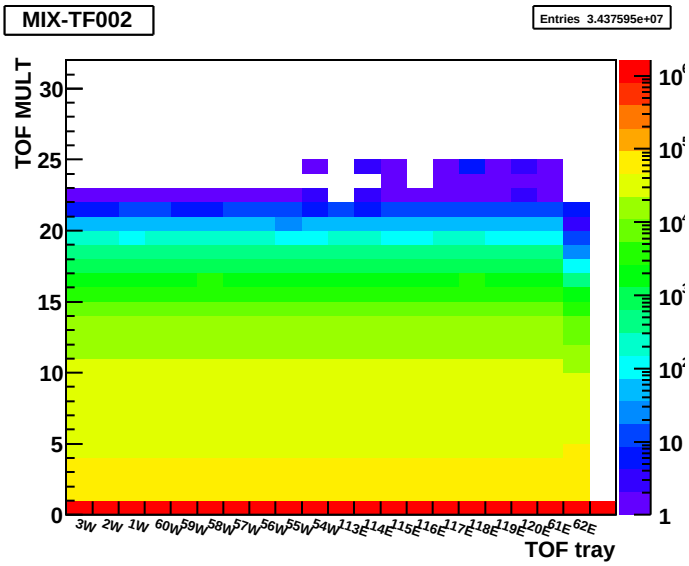

Endcap EMC L0 Input - High Tower
Entries 7.366275e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

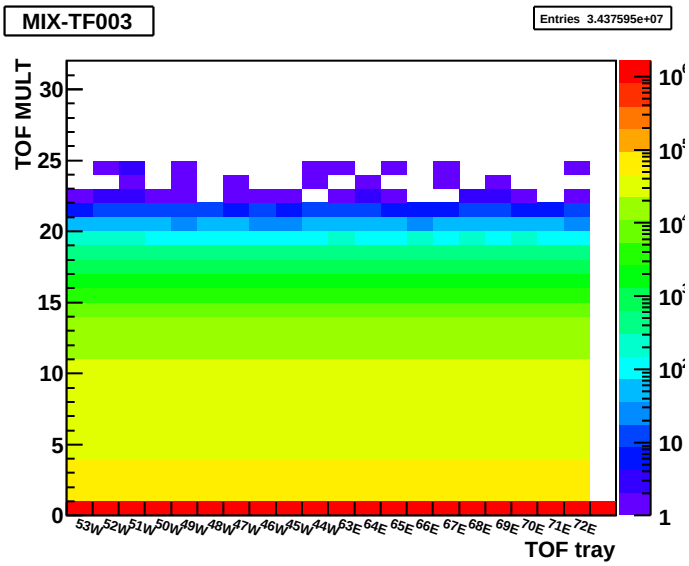

Endcap EMC L0 Input - Patch Sum
Entries 7.366275e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

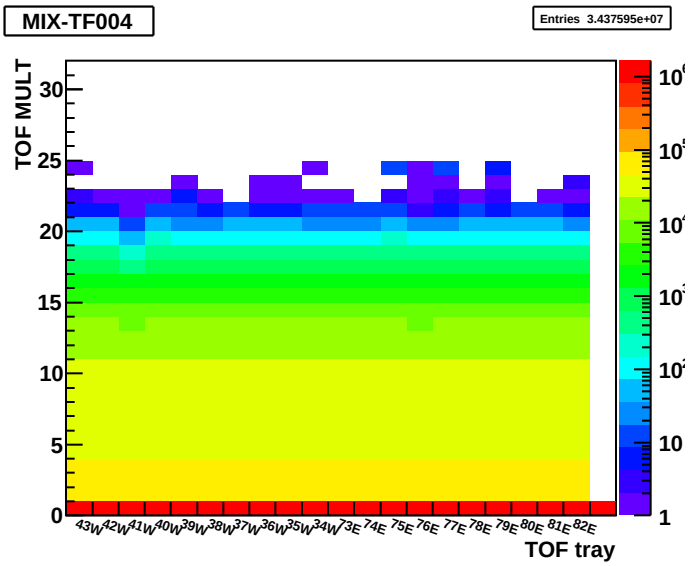

Barrel Jet Patches
Entries 1.473255e+07
JP ADC
JP ID

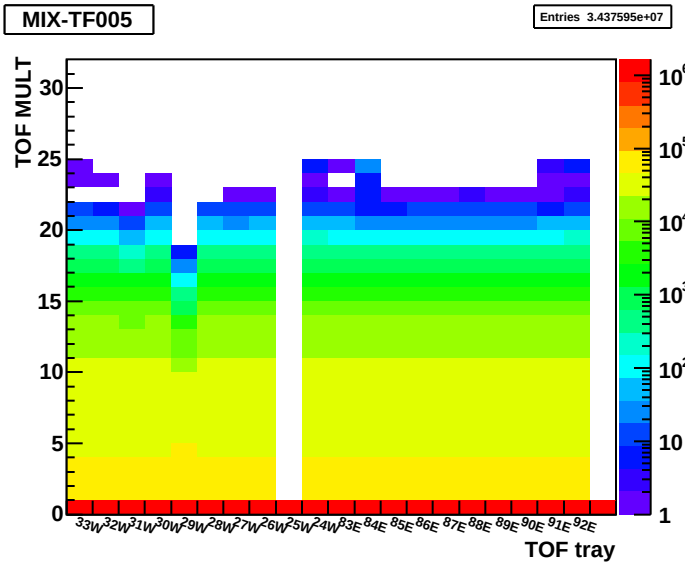

Hybrid Jet Patches
Entries 1636950
JP ADC
JP ID

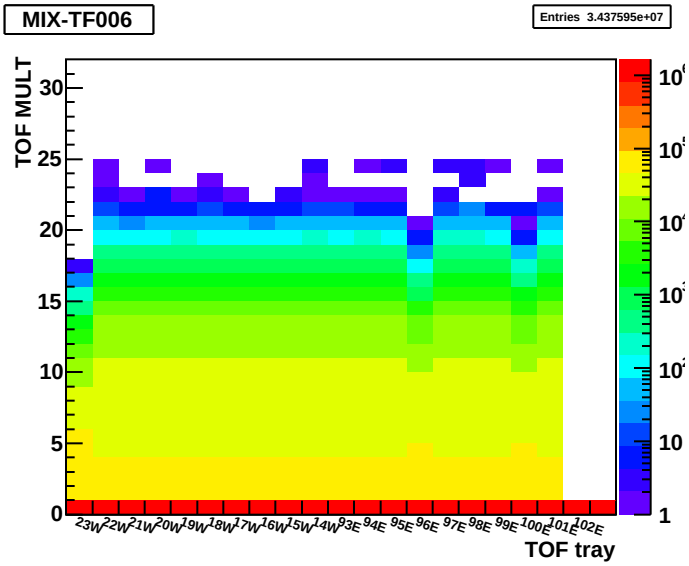

MIX-TF001
Entries 3.437595e+07
TOF MULT
TOF tray

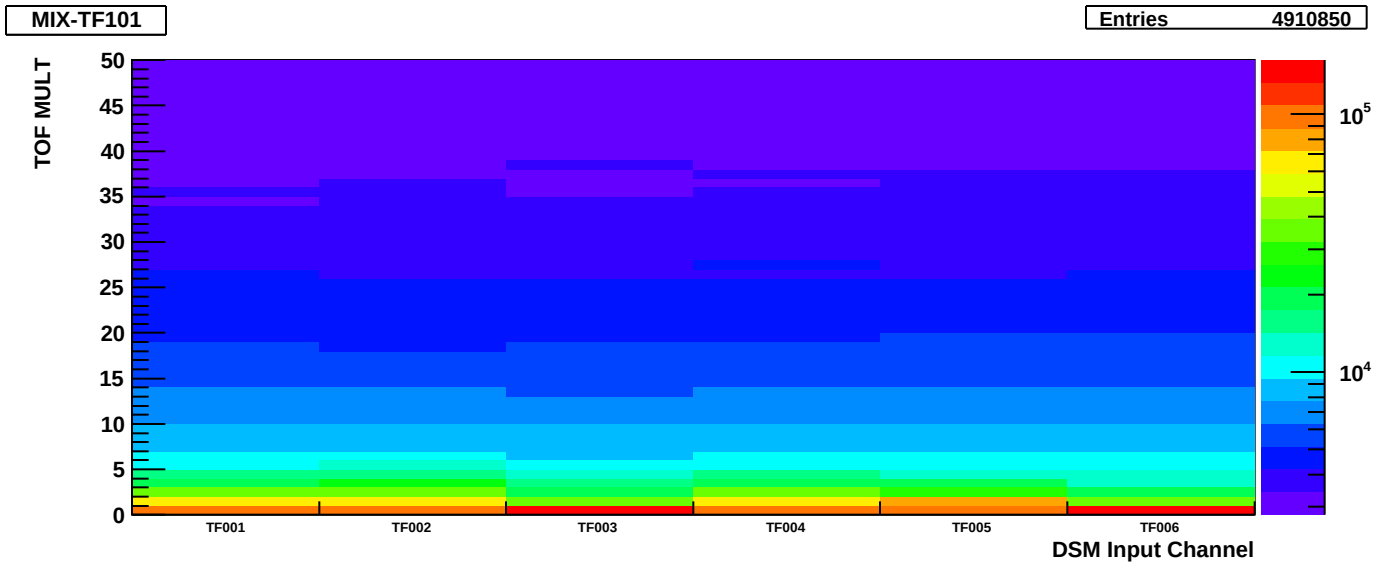

MIX-TF002
Entries 3.437595e+07
TOF MULT
TOF tray

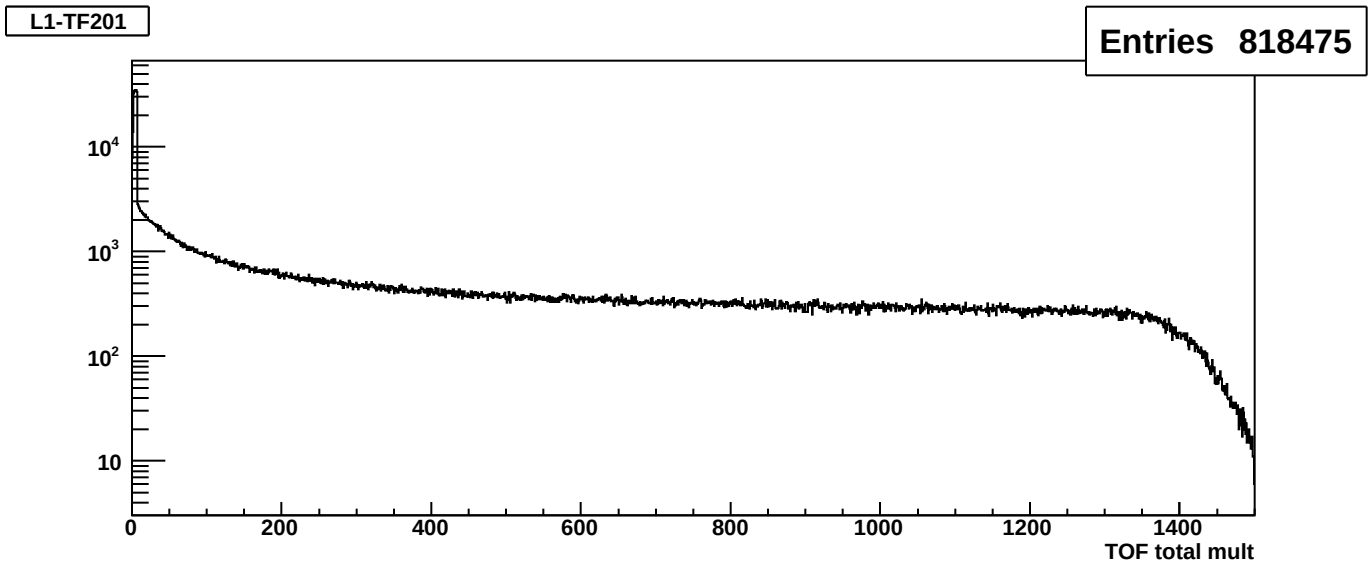

MIX-TF003
Entries 3.437595e+07
TOF MULT
TOF tray

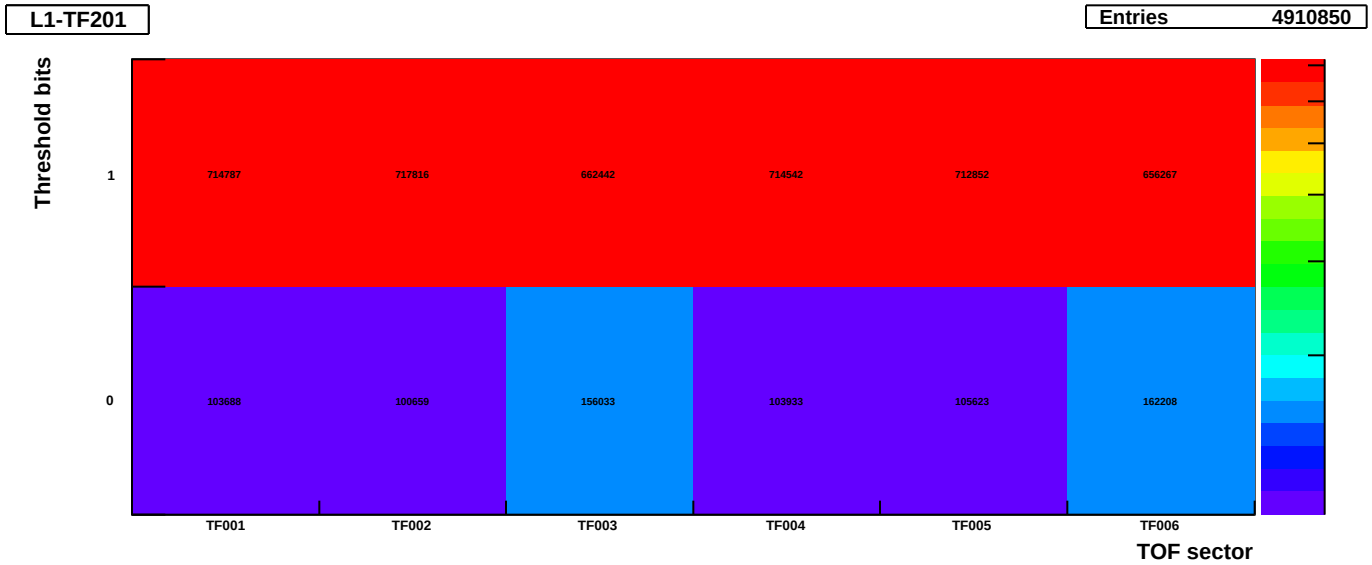

MIX-TF004
Entries 3.437595e+07
TOF MULT
TOF tray

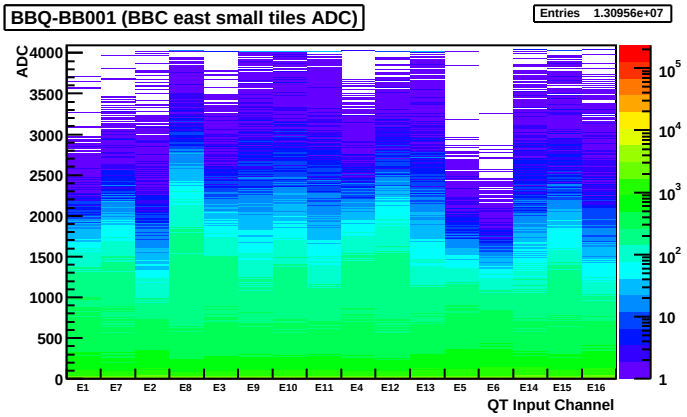

MIX-TF005
Entries 3.437595e+07
TOF MULT
TOF tray

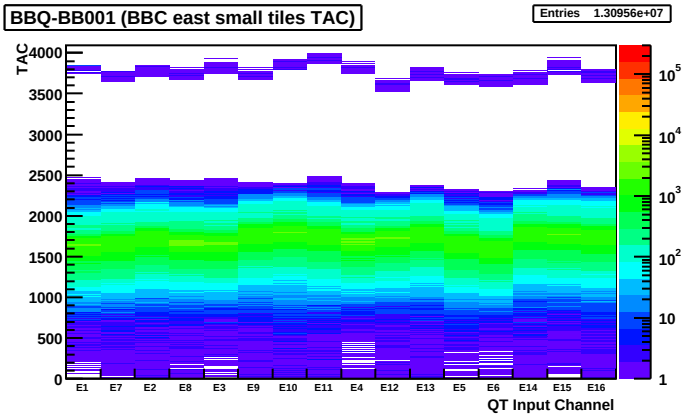

MIX-TF006
Entries 3.437595e+07
TOF MULT
TOF tray

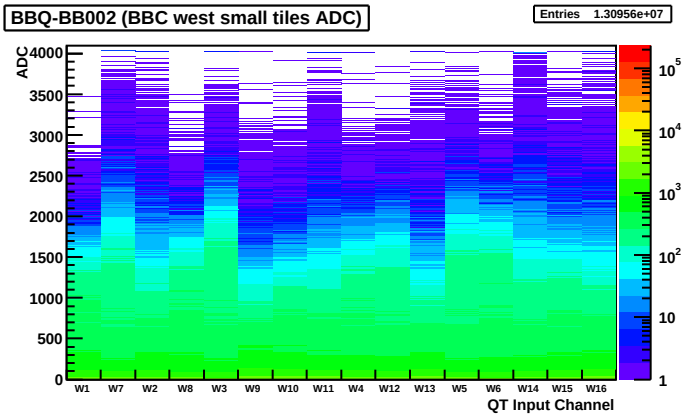

MIX-TF101
Entries 4910850
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^5
10^4

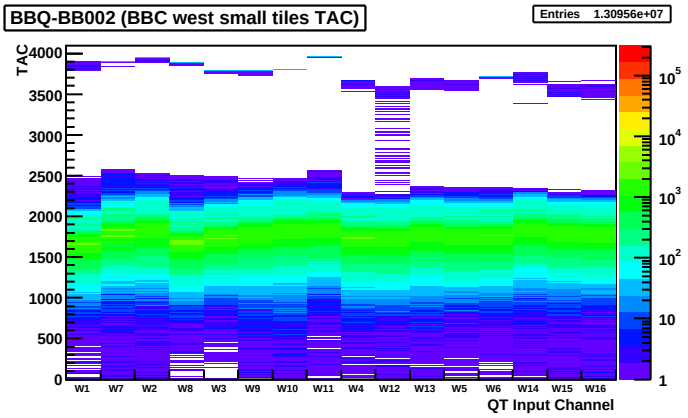

L1-TF201
Entries 818475
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

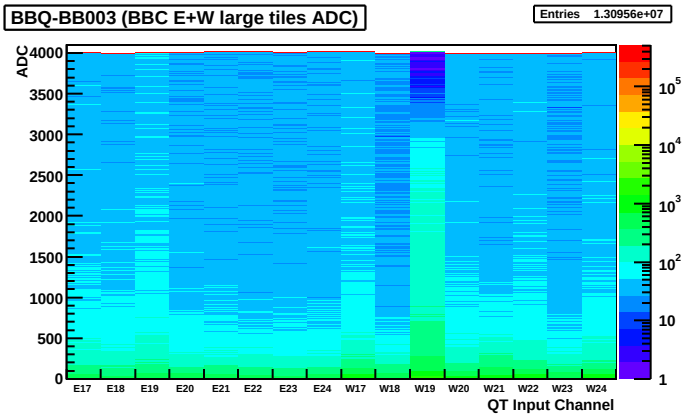

L1-TF201
Entries 4910850
Threshold bits
1
0
714787
717816
662442
714542
712852
656267
103688
100659
156033
103933
105623
162208
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

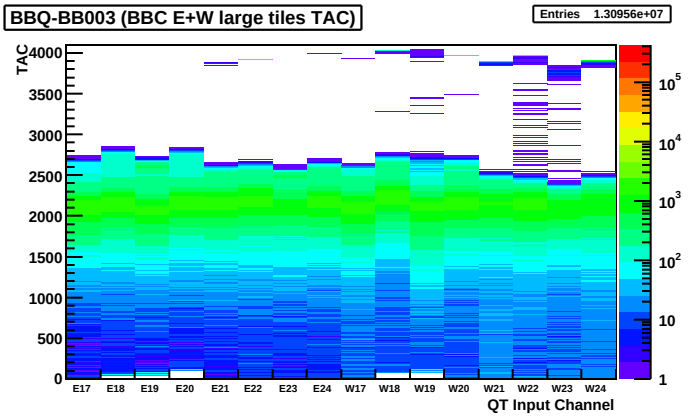

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.30956e+07
ADC
QT Input Channel

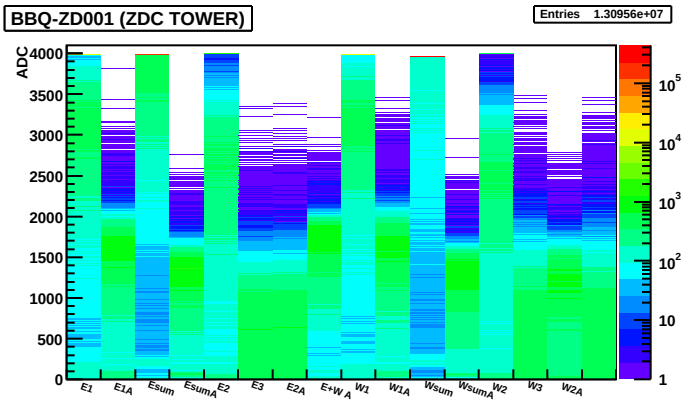

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.30956e+07
TAC
QT Input Channel

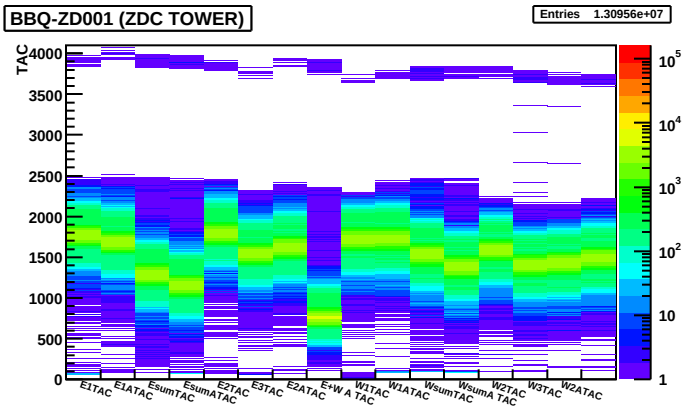

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.30956e+07
ADC
QT Input Channel

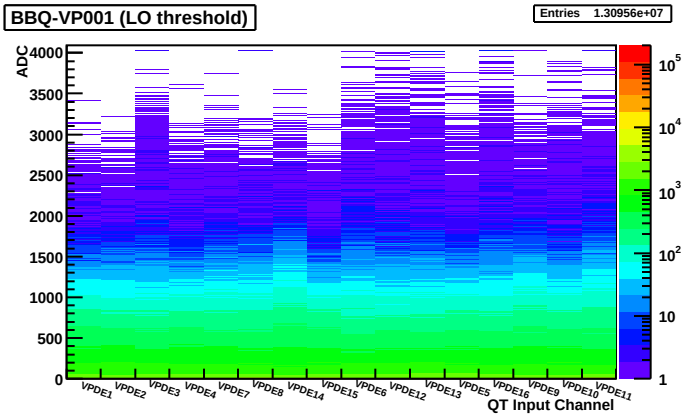

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.30956e+07
TAC
QT Input Channel

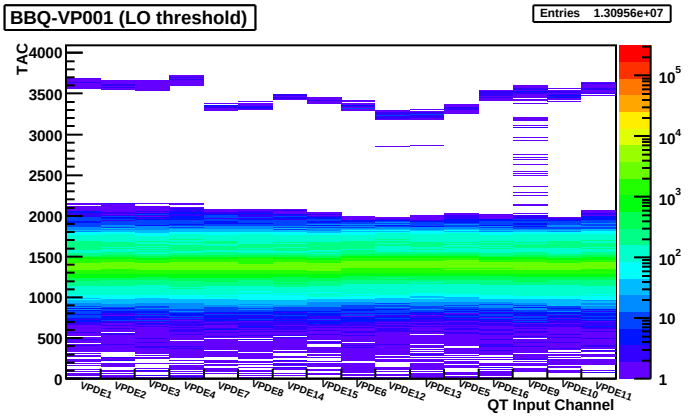

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.30956e+07
ADC
QT Input Channel

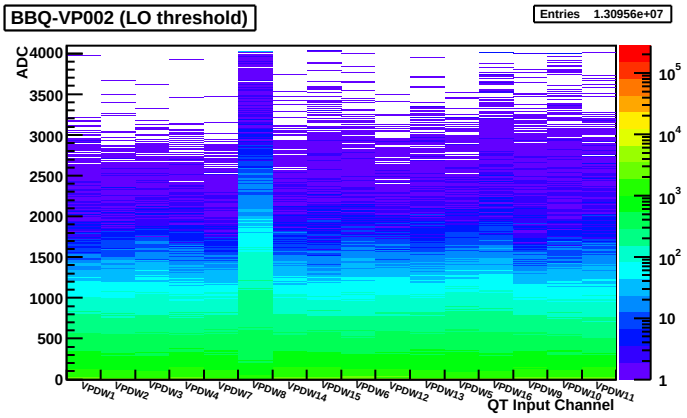

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.30956e+07
TAC
QT Input Channel

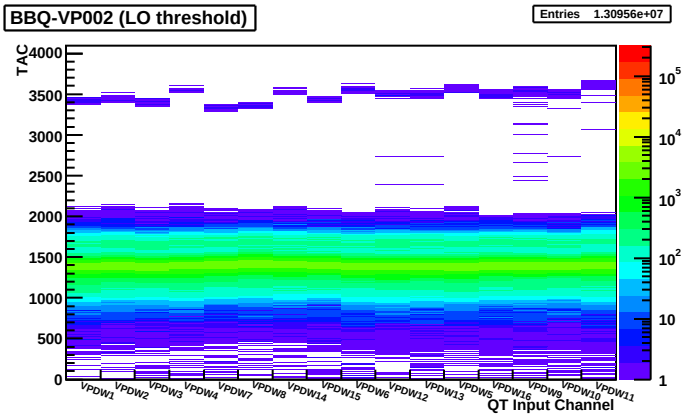

BBQ-ZD001 (ZDC TOWER)
Entries 1.30956e+07
ADC

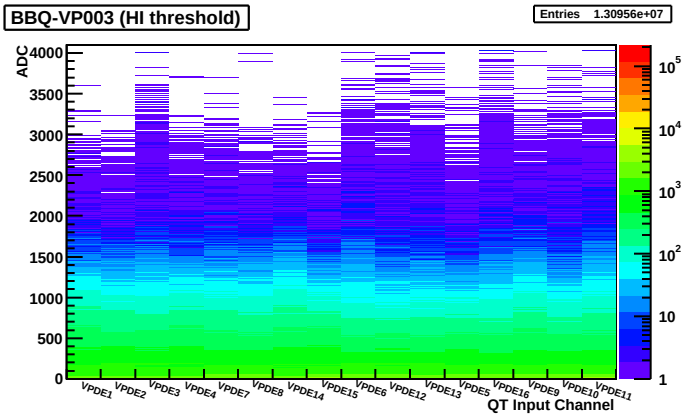

BBQ-ZD001 (ZDC TOWER)
Entries 1.30956e+07
TAC

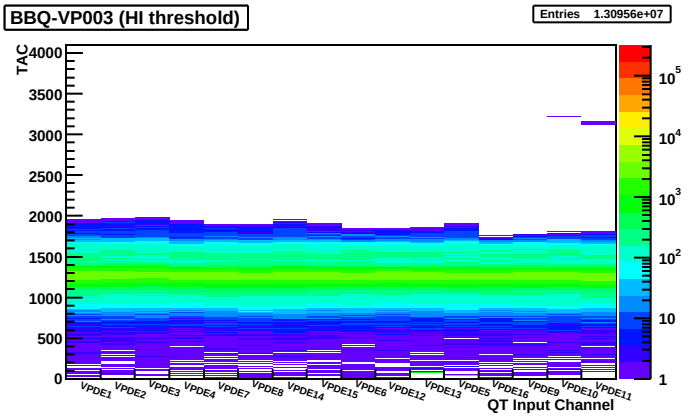

BBQ-VP001 (LO threshold)
Entries 1.30956e+07
ADC
QT Input Channel

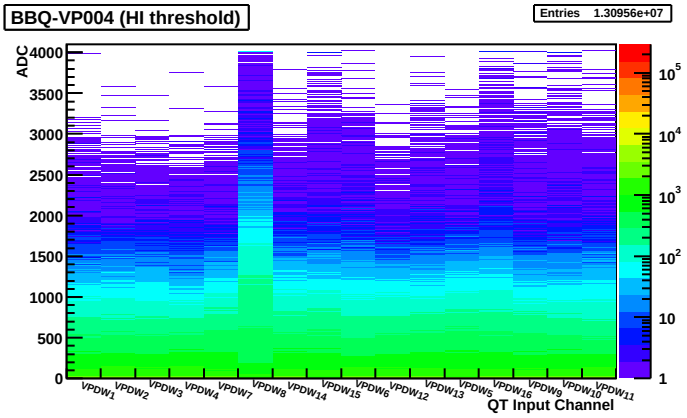

BBQ-VP001 (LO threshold)
Entries 1.30956e+07
TAC
QT Input Channel

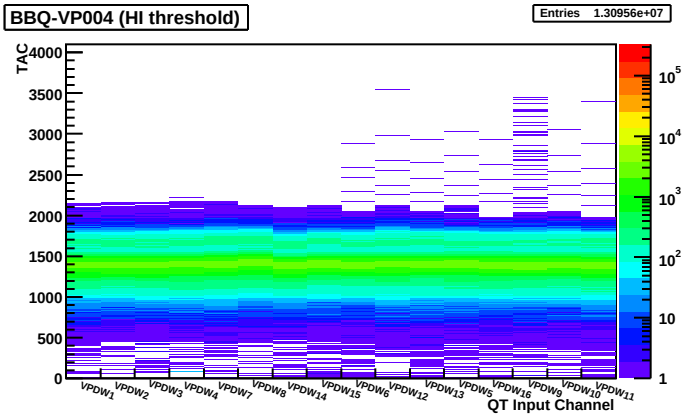

BBQ-VP002 (LO threshold)
Entries 1.30956e+07
ADC
QT Input Channel

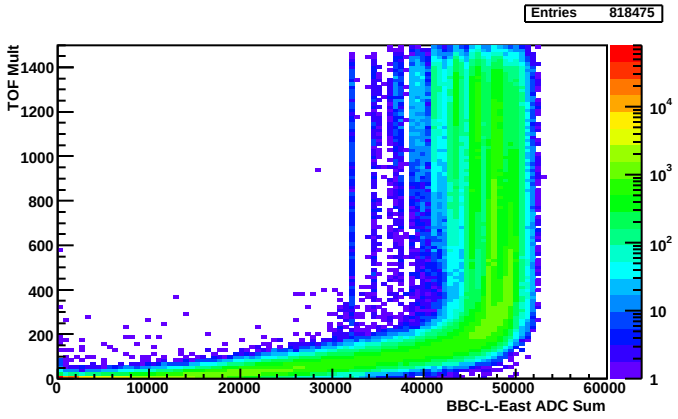

BBQ-VP002 (LO threshold)
Entries 1.30956e+07
TAC
QT Input Channel

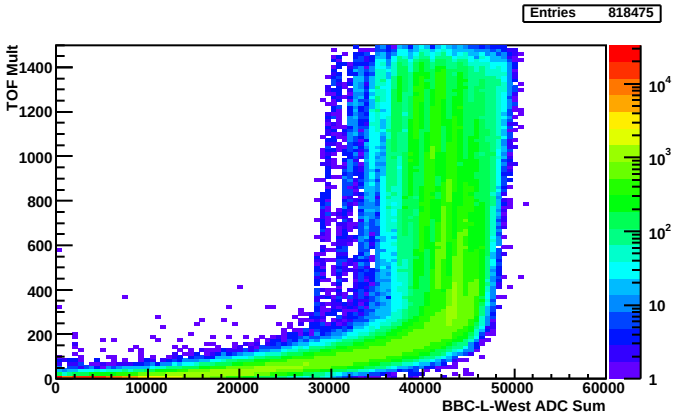

BBQ-VP003 (HI threshold)
Entries 1.30956e+07
ADC
QT Input Channel

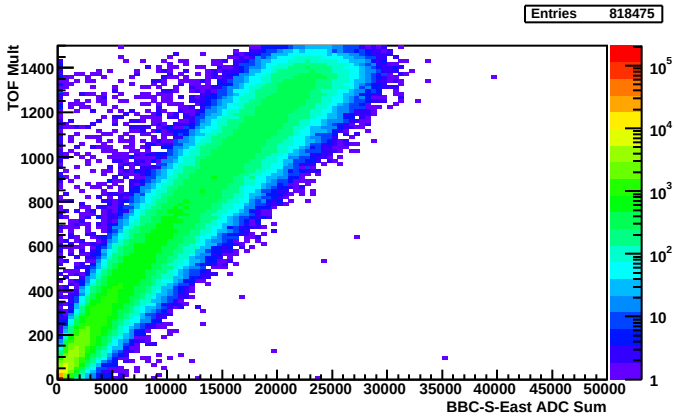

BBQ-VP003 (HI threshold)
Entries 1.30956e+07
TAC
QT Input Channel

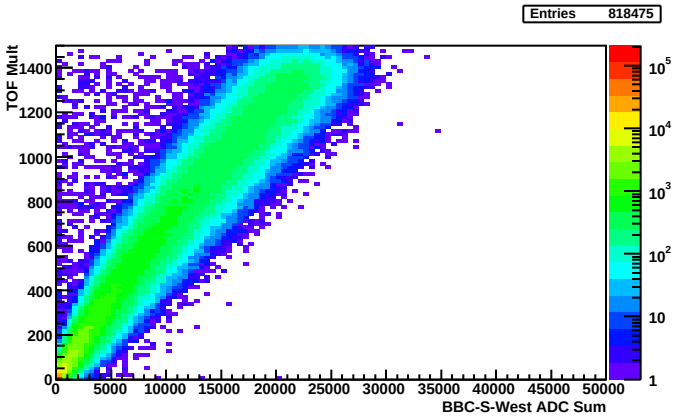

BBQ-VP004 (HI threshold)
Entries 1.30956e+07
ADC
QT Input Channel

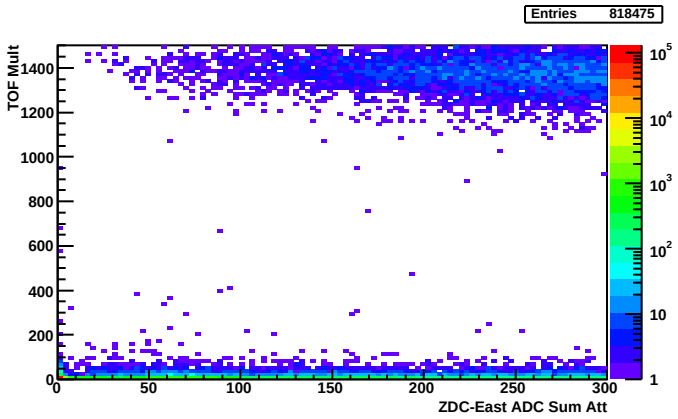

BBQ-VP004 (HI threshold)
Entries 1.30956e+07
TAC
QT Input Channel

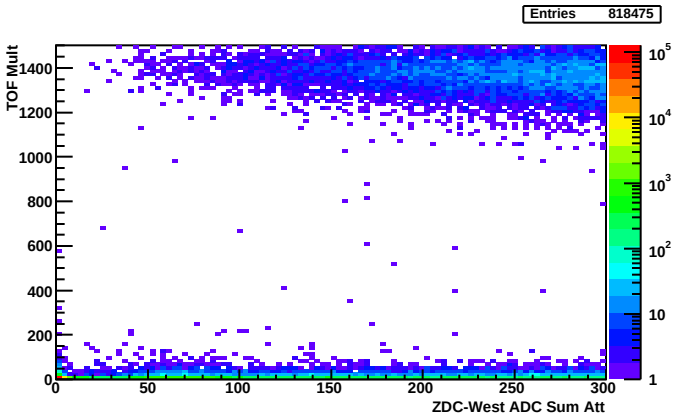

Entries 818475
TOF Mult
BBC-L-East ADC Sum

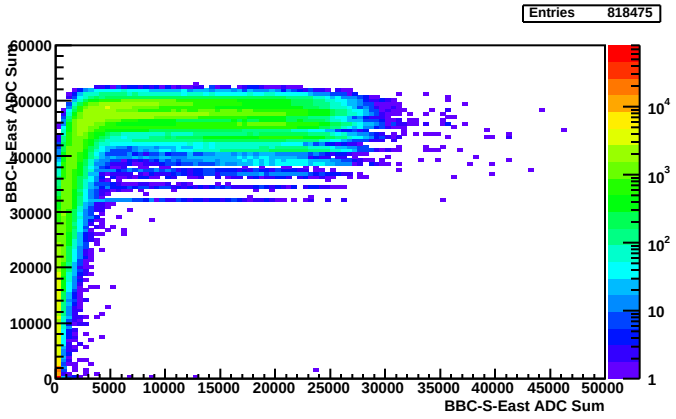

Entries 818475
TOF Mult
BBC-L-West ADC Sum

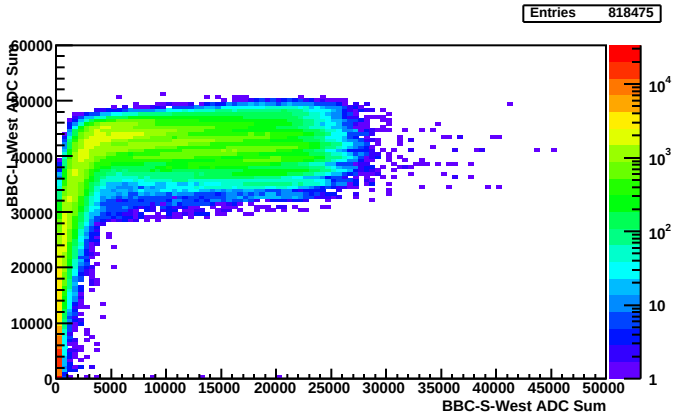

Entries 818475
TOF Mult
BBC-S-East ADC Sum

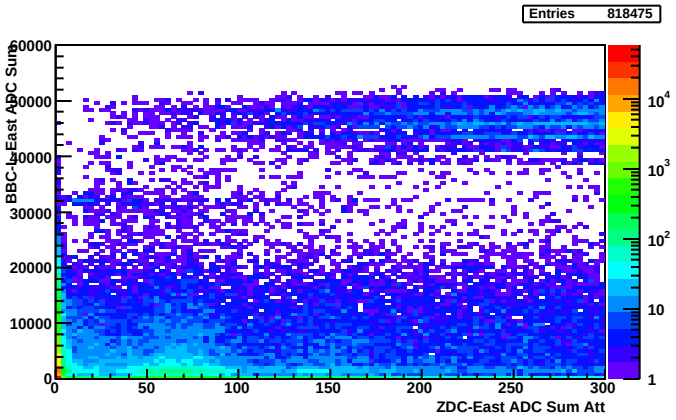

Entries 818475
TOF Mult
BBC-S-West ADC Sum

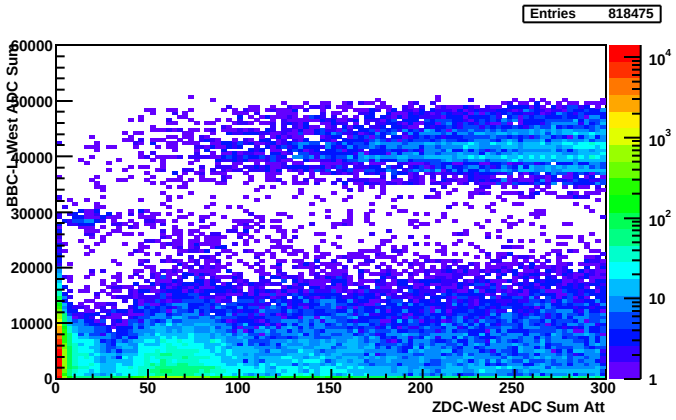

Entries 818475
TOF Mult
ZDC-East ADC Sum Att

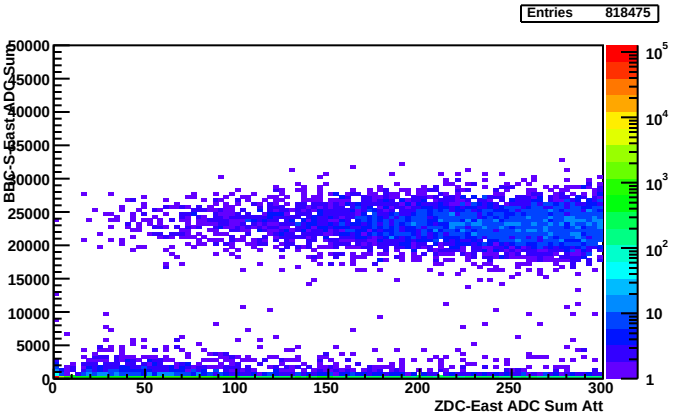

Entries 818475
TOF Mult
ZDC-West ADC Sum Att


Entries 818475
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 818475
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 818475
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 818475
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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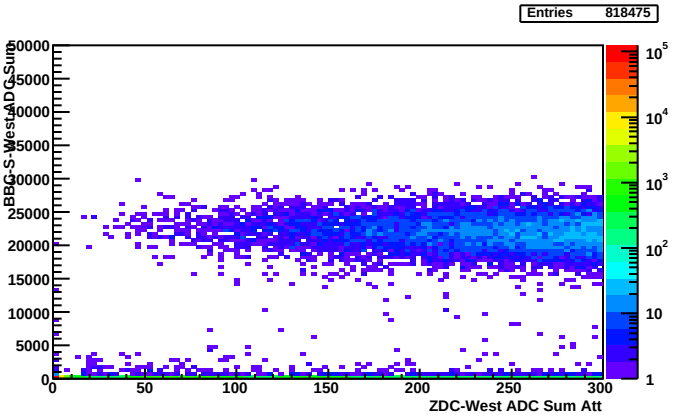
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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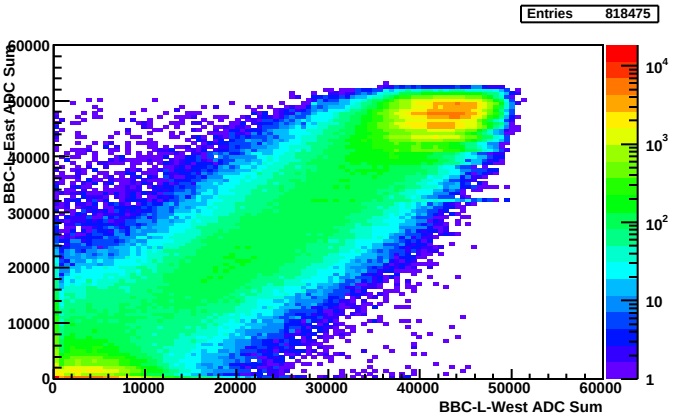
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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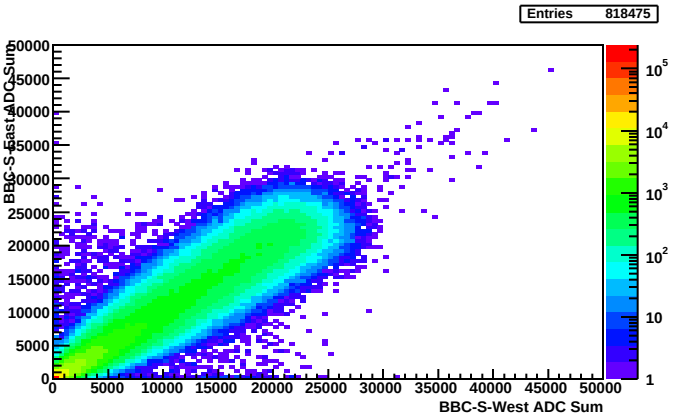
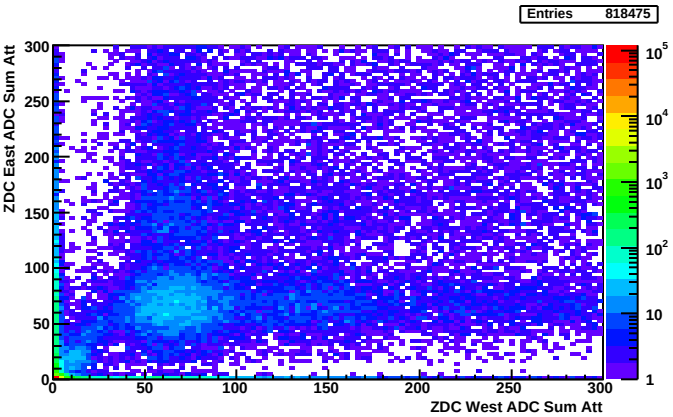
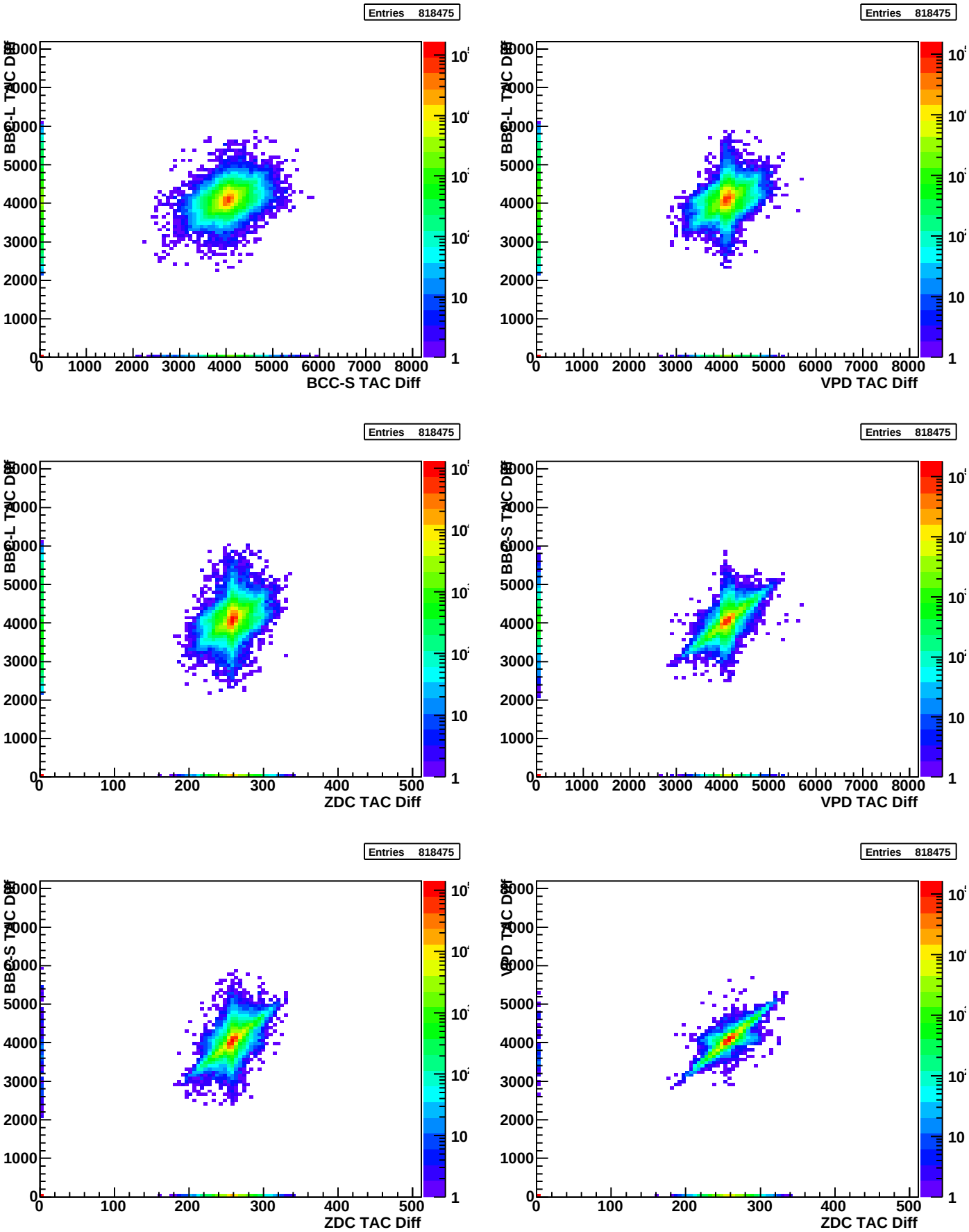
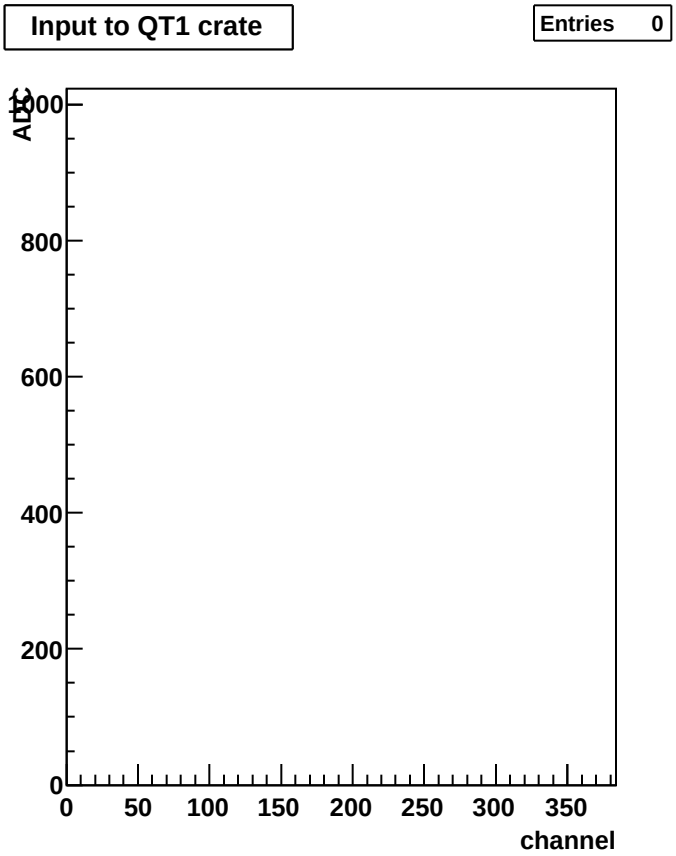
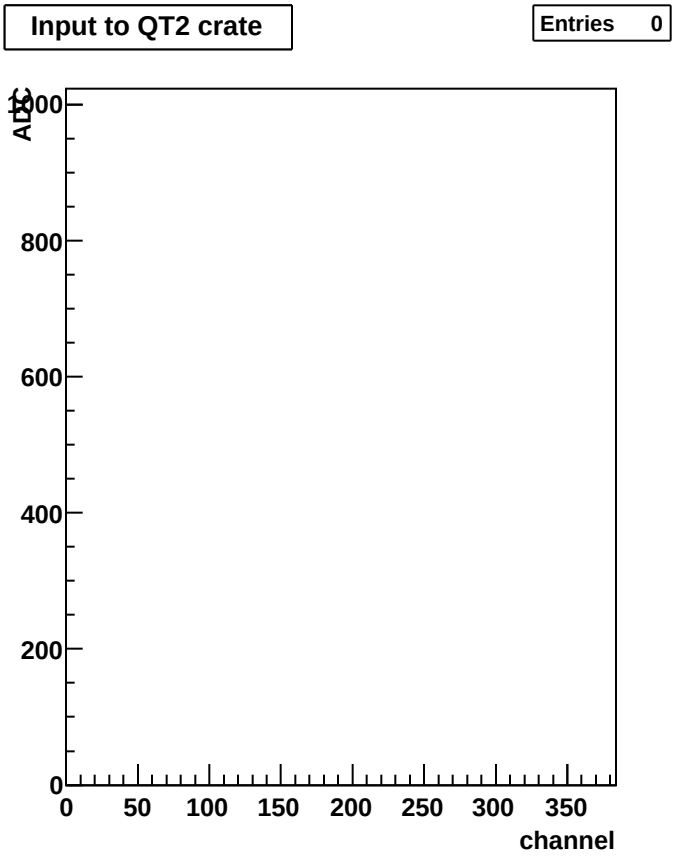
BBC-L-East ADC Sum
BBC-L-West ADC Sum

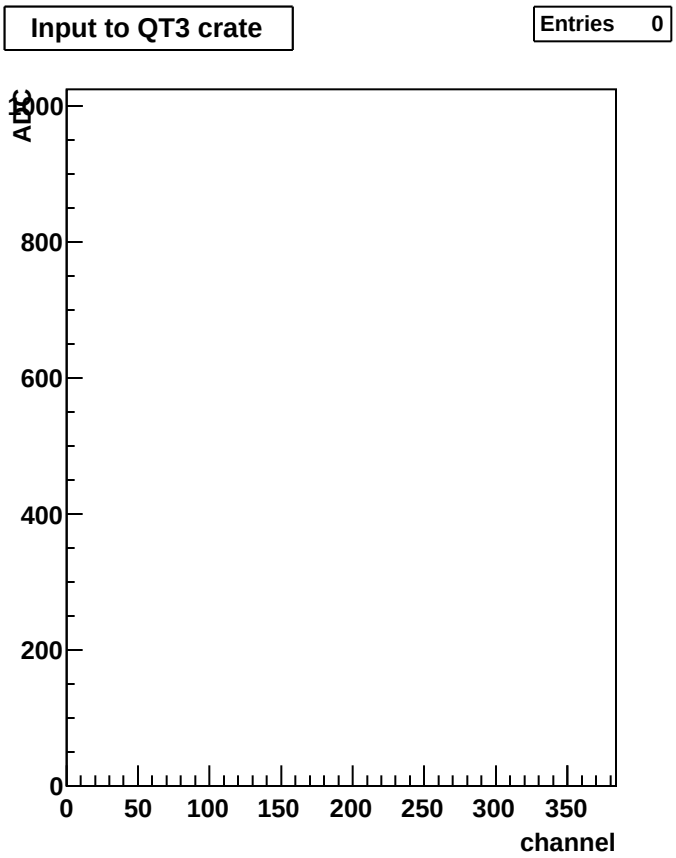

Entries 818475
BBC-S-East ADC Sum
BBC-S-West ADC Sum

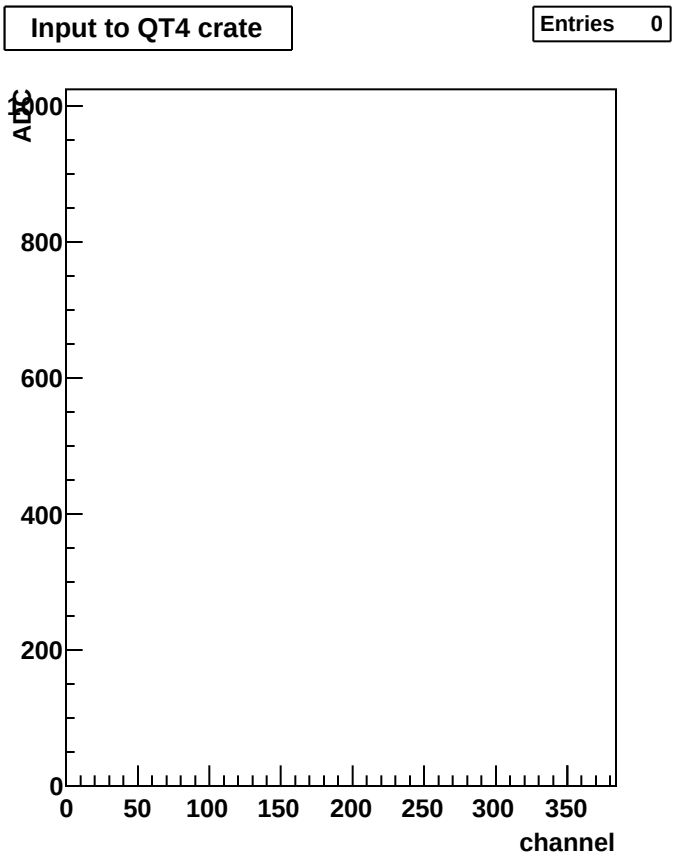

Entries 818475
ZDC East ADC Sum Att
ZDC West ADC Sum Att

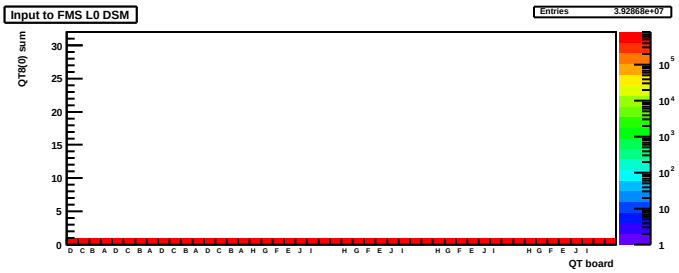

Entries 818475
BBC-L TAC Diff
BCC-S TAC Diff
Entries 818475
BBC-L TAC Diff
VPD TAC Diff
Entries 818475
BBC-L TAC Diff
ZDC TAC Diff
Entries 818475
BBC-S TAC Diff
VPD TAC Diff
Entries 818475
BBC-S TAC Diff
ZDC TAC Diff
Entries 818475
VPD TAC Diff
ZDC TAC Diff

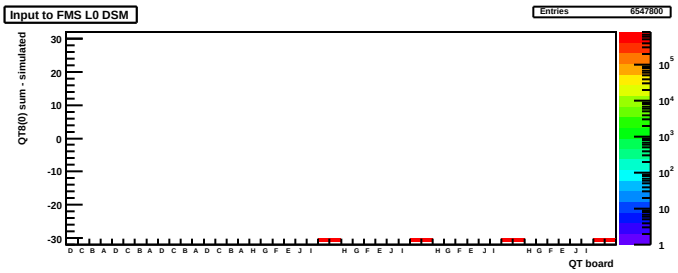

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

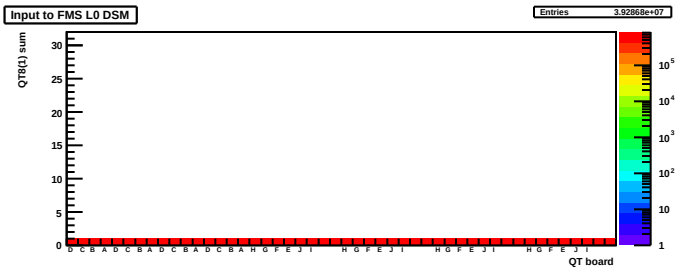

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

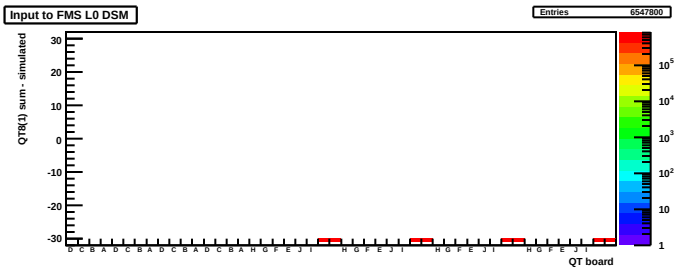

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

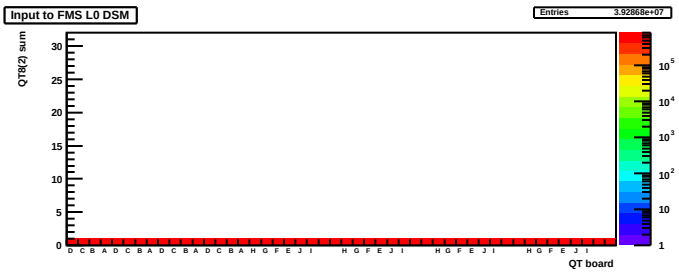

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

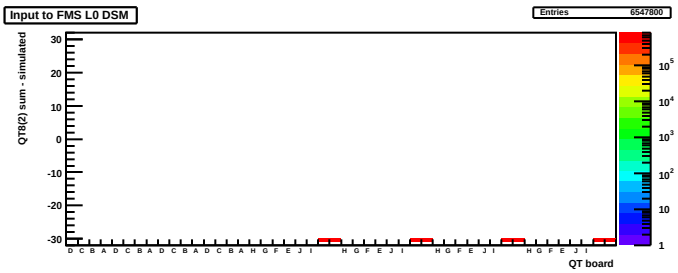

Input to FMS L0 DSM
Entries 3.92868e+07
QT8(0) sum
QT board

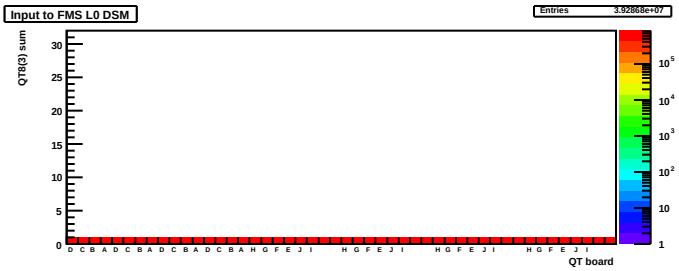

Input to FMS L0 DSM
Entries 6547800
QT8(0) sum - simulated
QT board

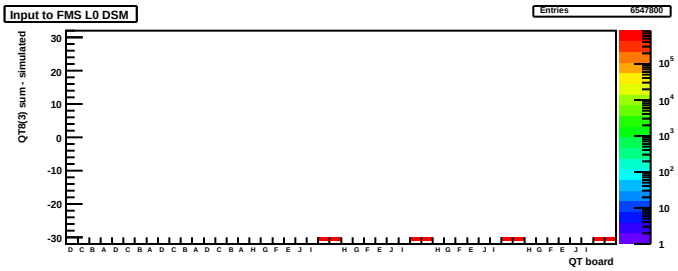

Input to FMS L0 DSM
Entries 3.92868e+07
QT8(1) sum
QT board

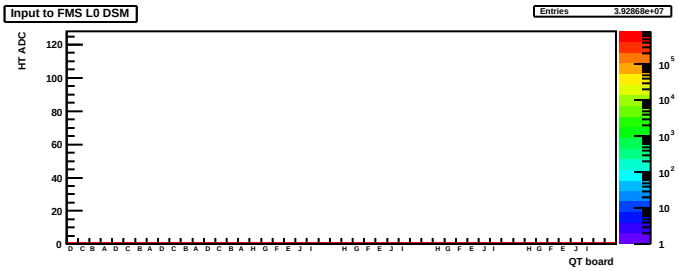

Input to FMS L0 DSM
Entries 6547800
QT8(1) sum - simulated
QT board

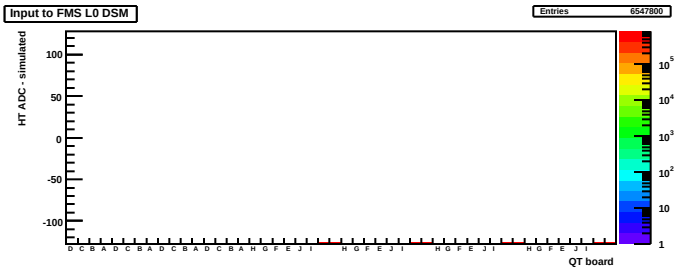

Input to FMS L0 DSM
Entries 3.92868e+07
QT8(2) sum
QT board

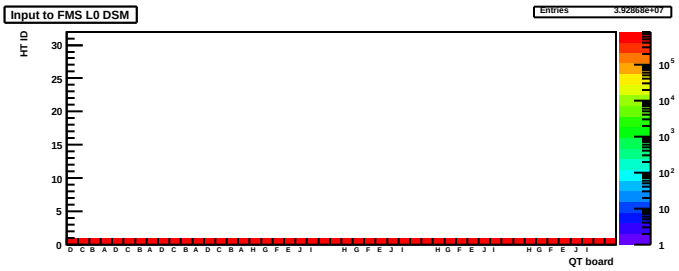

Input to FMS L0 DSM
Entries 6547800
QT8(2) sum - simulated
QT board

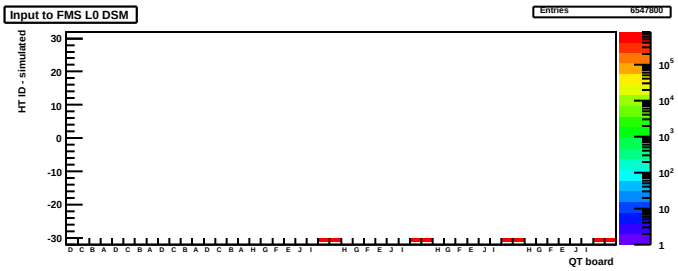

Input to FMS L0 DSM
Entries 3.92868e+07
QT8(3) sum
QT board

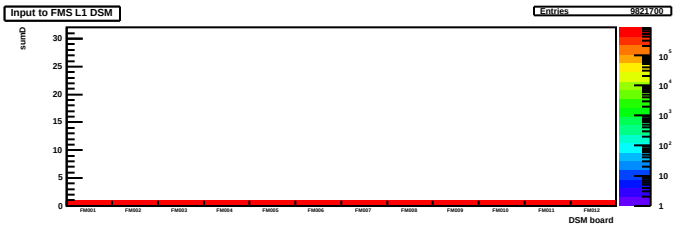

Input to FMS L0 DSM
Entries 6547800
QT8(3) sum - simulated
QT board

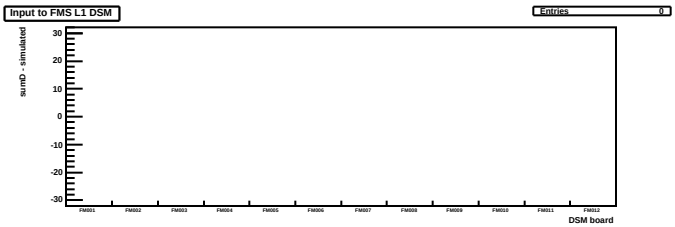

Input to FMS L0 DSM
Entries 3.92868e+07
HT ADC
QT board

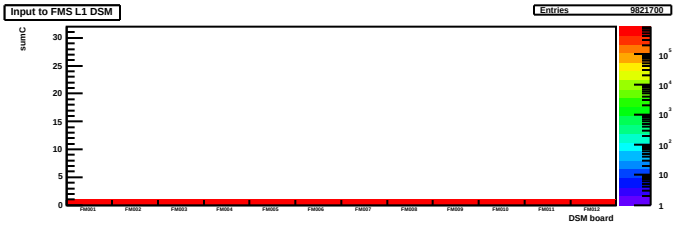

Input to FMS L0 DSM
Entries 6547800
HT ADC - simulated
QT board

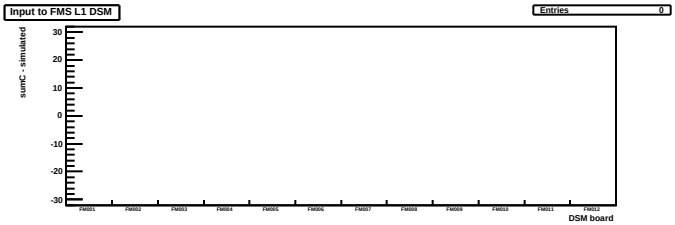

Input to FMS L0 DSM
Entries 3.92868e+07
HT ID
QT board

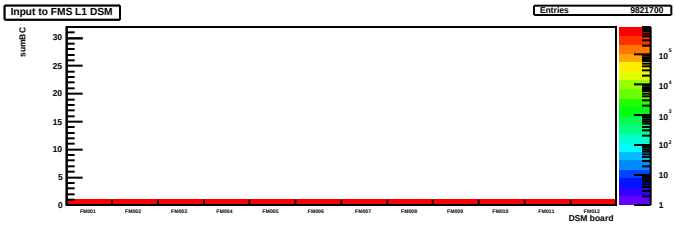

Input to FMS L0 DSM
Entries 6547800
HT ID - simulated
QT board

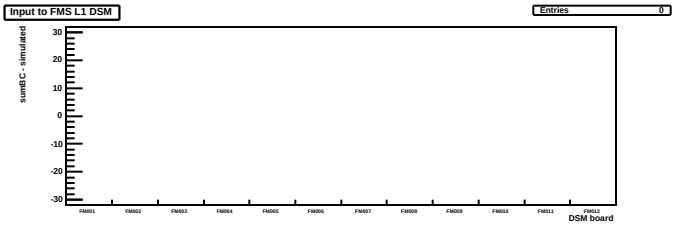

Input to FMS L1 DSM
Entries 9821700
sumD
DSM board

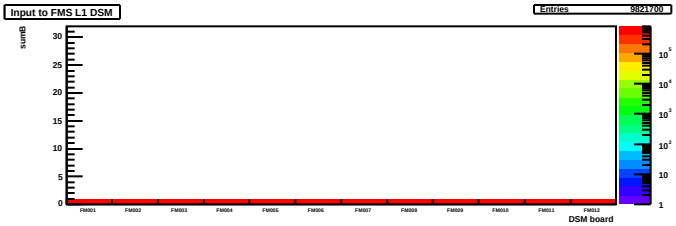

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

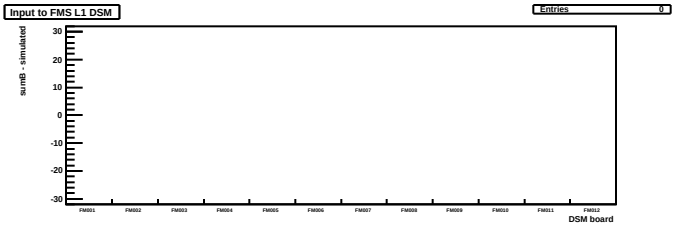

Input to FMS L1 DSM
Entries 9821700
sumC
DSM board

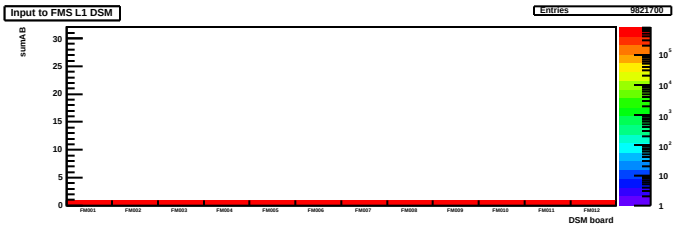

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

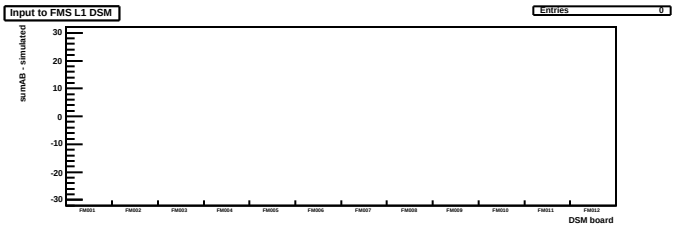

Input to FMS L1 DSM
Entries 9821700
sumBC
DSM board

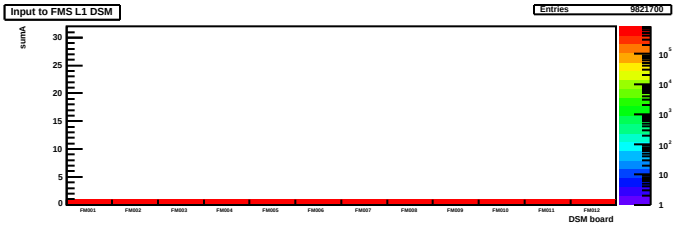

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

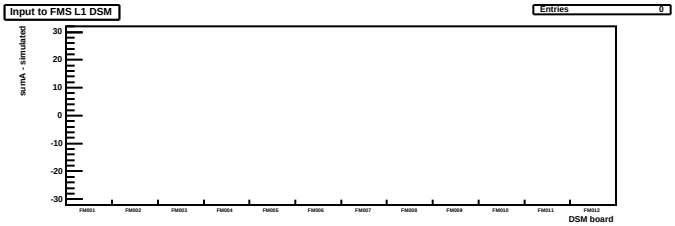

Input to FMS L1 DSM
Entries 9821700
sumB
DSM board

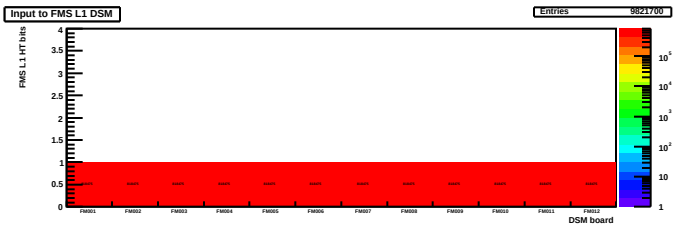

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

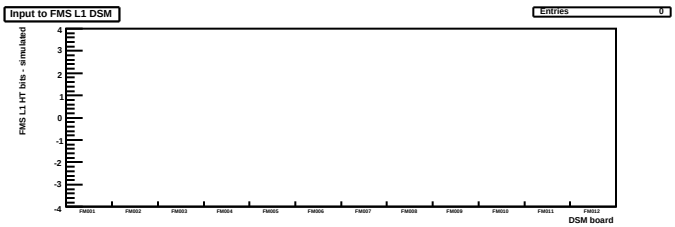

Input to FMS L1 DSM
Entries 9821700
sumAB
DSM board

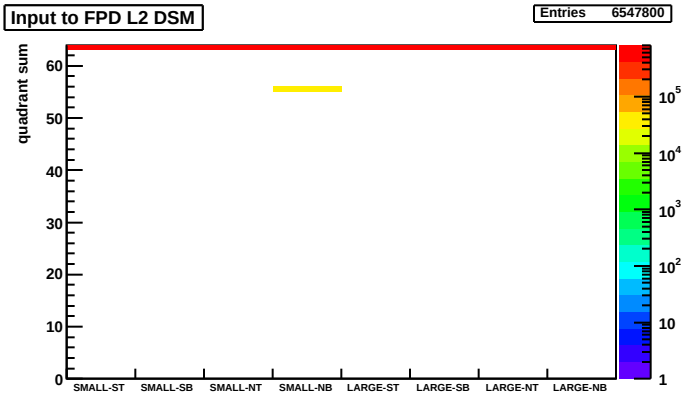

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

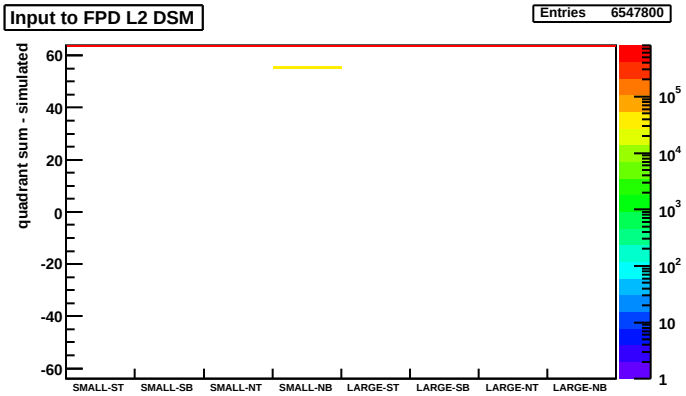

Input to FMS L1 DSM
Entries 9821700
sumA
DSM board

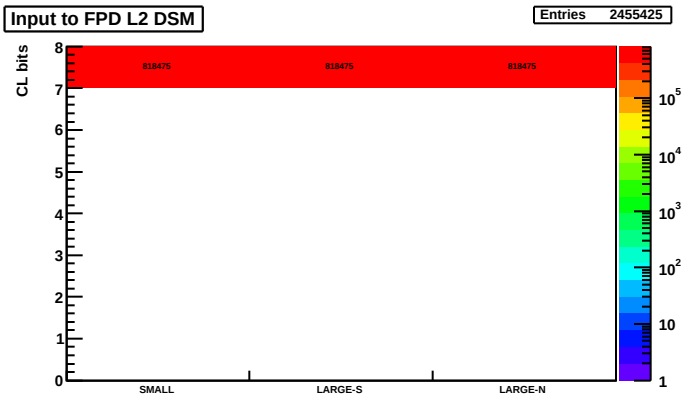

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

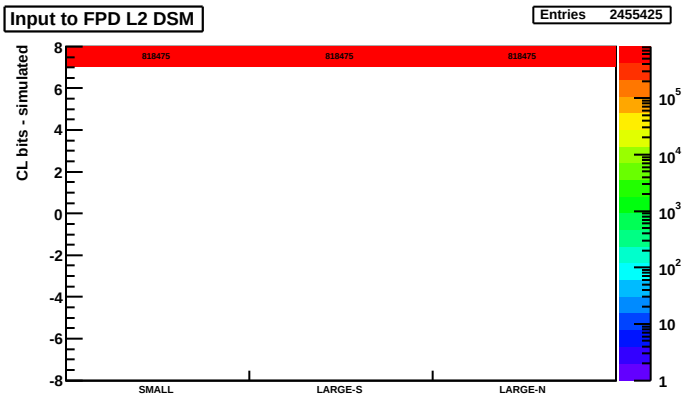

Input to FMS L1 DSM
Entries 9821700
FMS L1 HT bits
DSM board

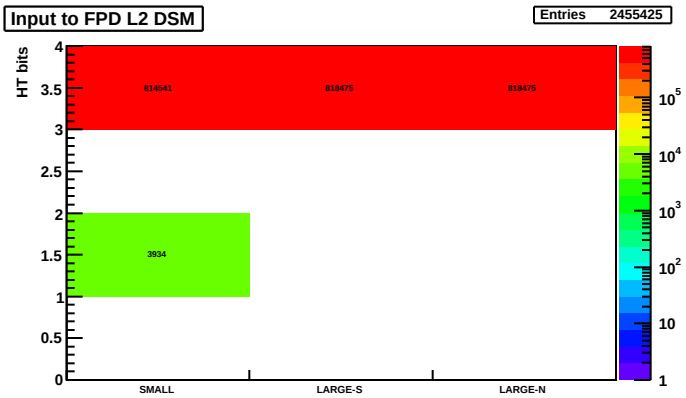

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

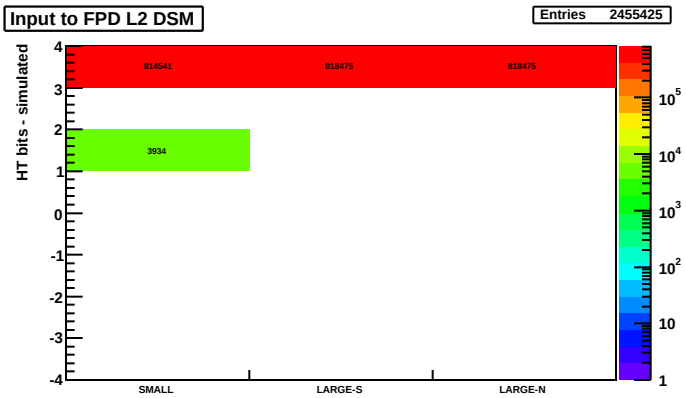

Input to FPD L2 DSM
Entries 6547800
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

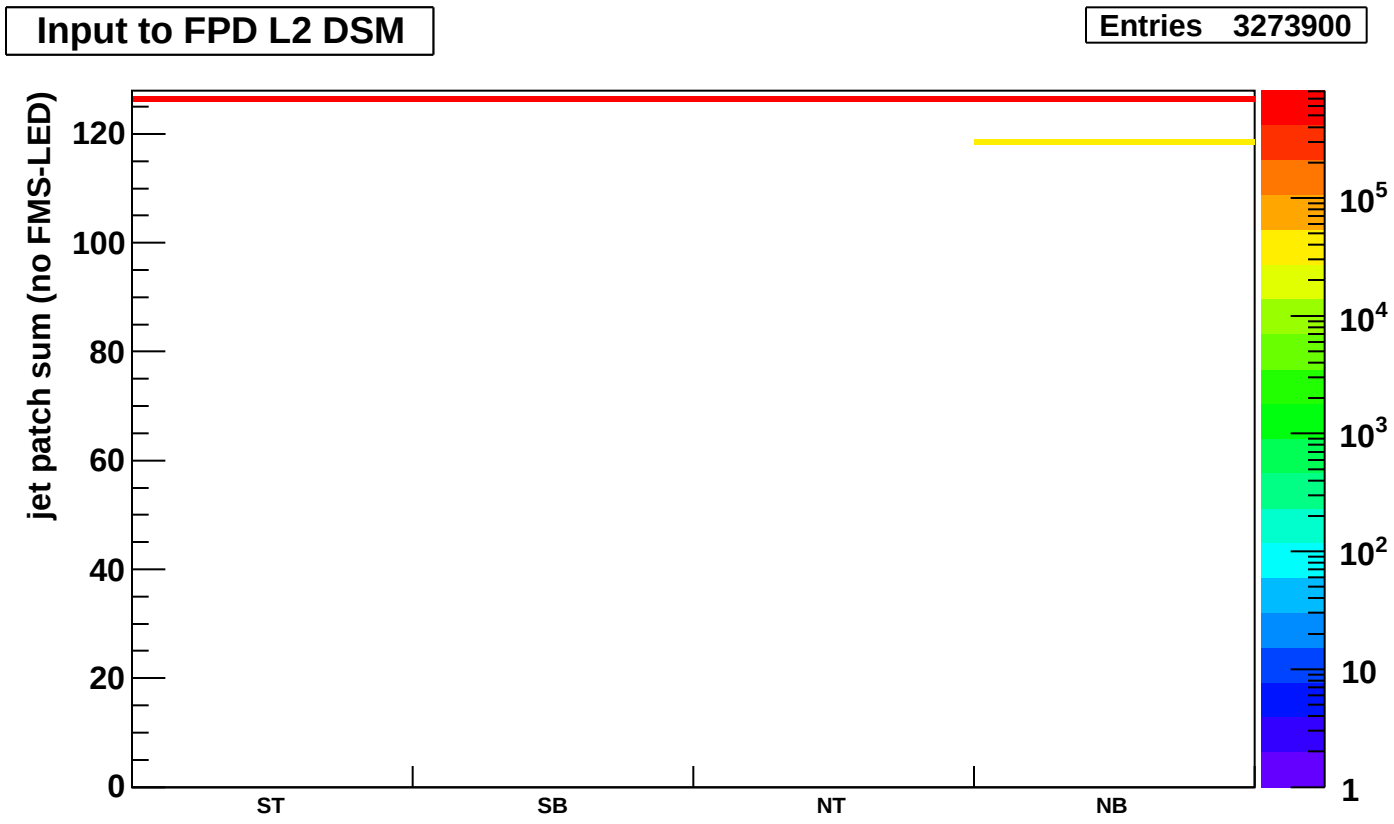

Input to FPD L2 DSM
Entries 6547800
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

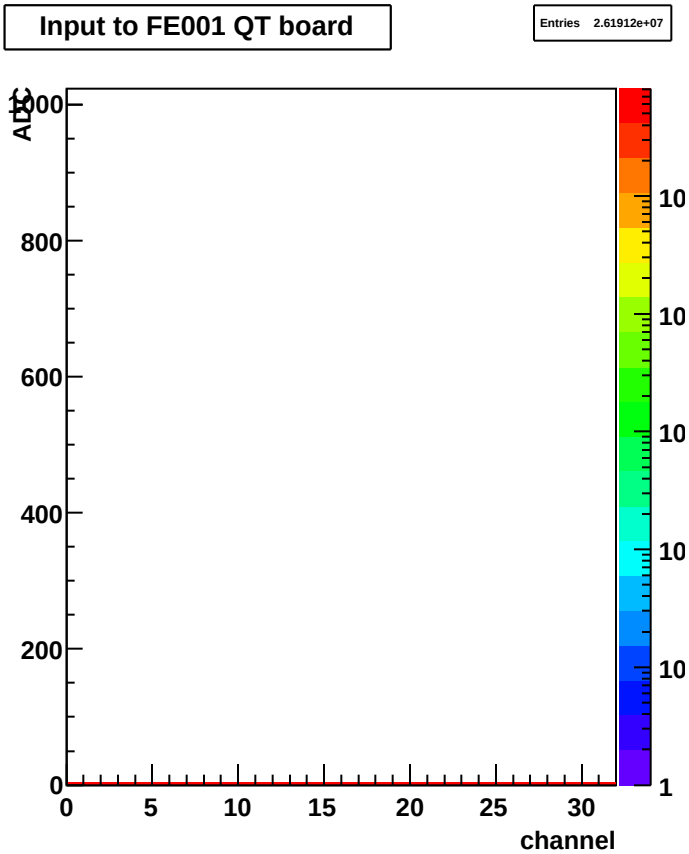

Input to FPD L2 DSM
Entries 2455425
CL bits
818475
818475
818475
SMALL
LARGE-S
LARGE-N

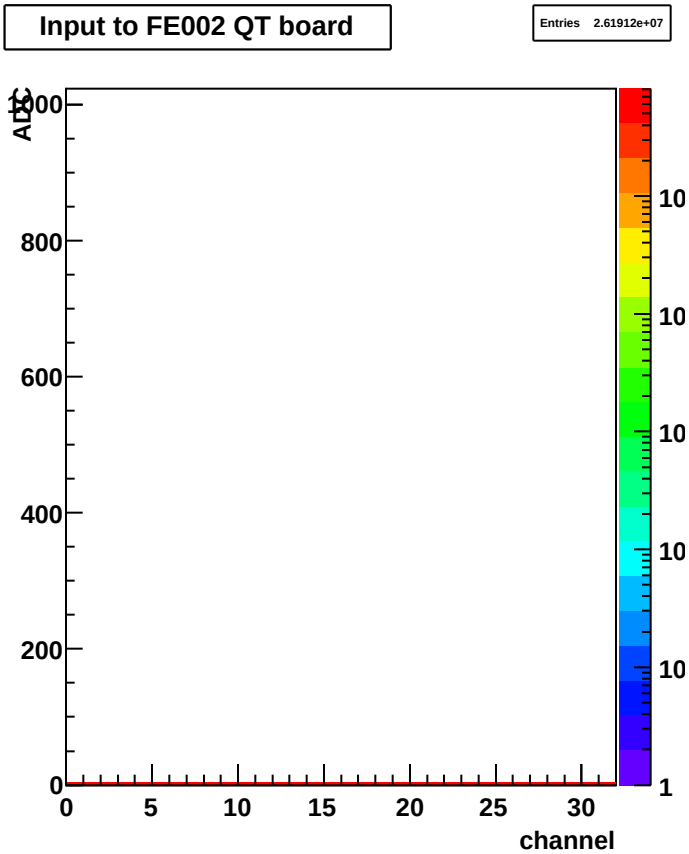

Input to FPD L2 DSM
Entries 2455425
CL bits - simulated
818475
818475
818475
SMALL
LARGE-S
LARGE-N

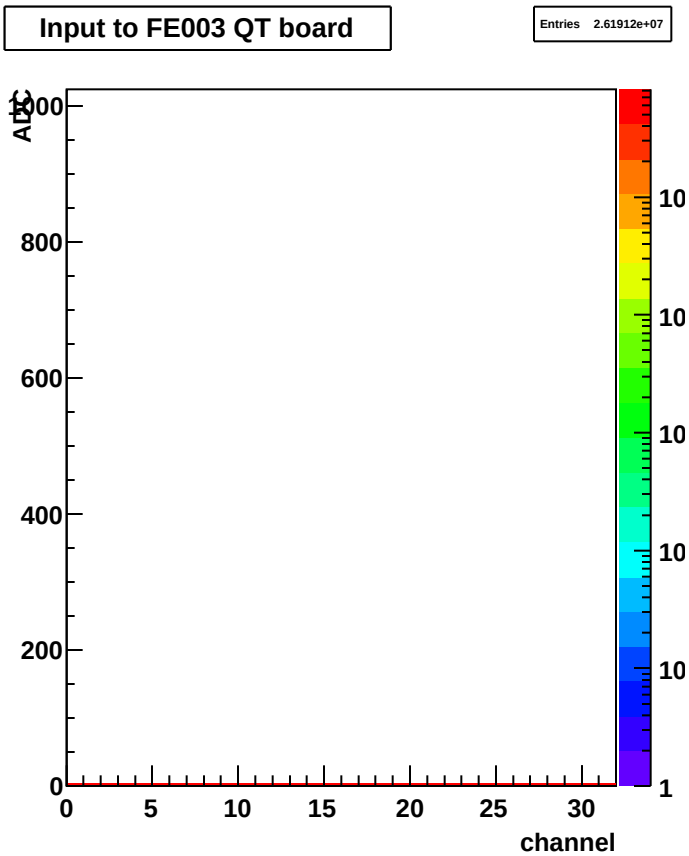

Input to FPD L2 DSM
Entries 2455425
HT bits
814541
818475
818475
3934
SMALL
LARGE-S
LARGE-N

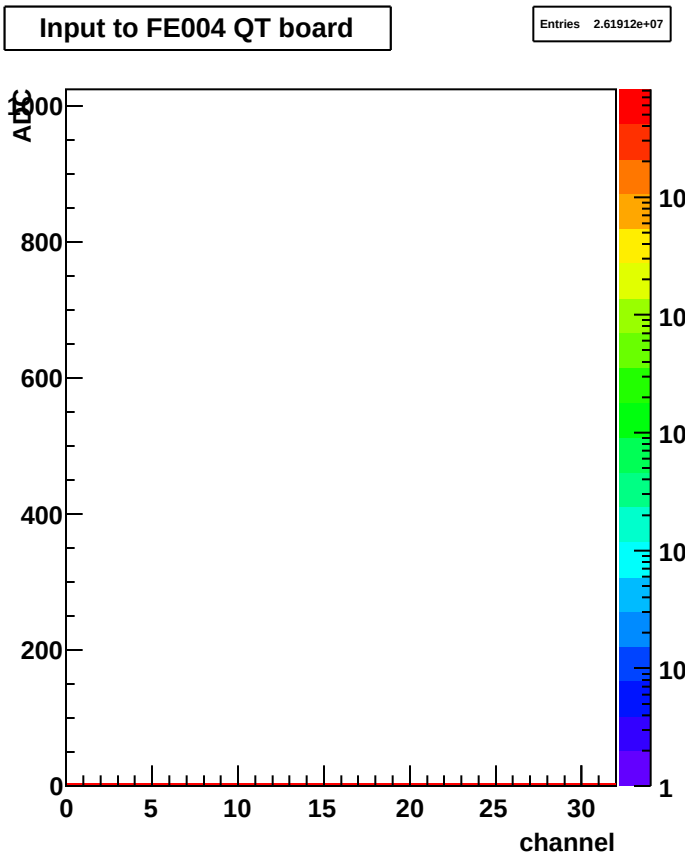

Input to FPD L2 DSM
Entries 2455425
HT bits - simulated
814541
818475
818475
3934
SMALL
LARGE-S
LARGE-N

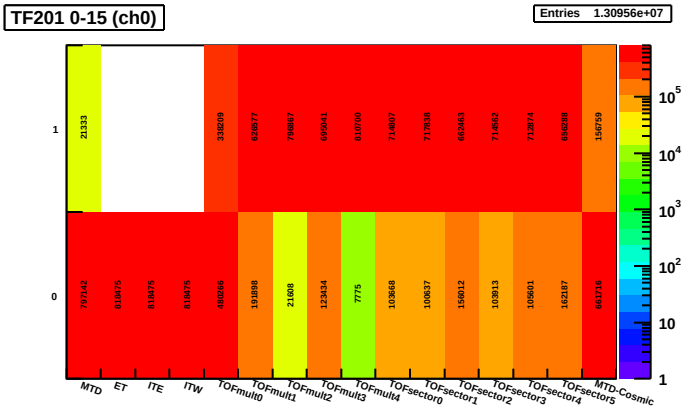

Input to FPD L2 DSM
Entries 3273900
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

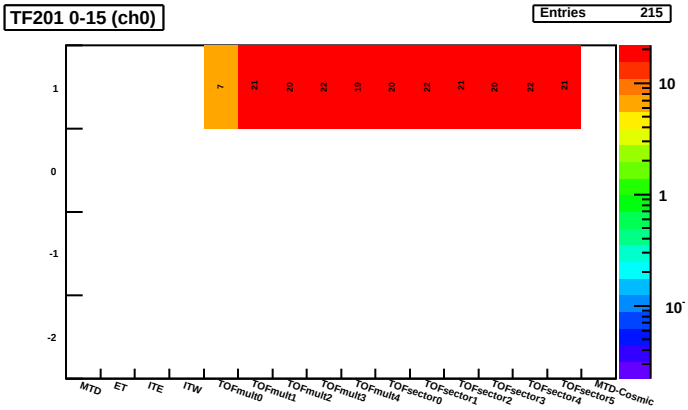

Input to FE001 QT board
Entries 2.61912e+07
ADC
channel

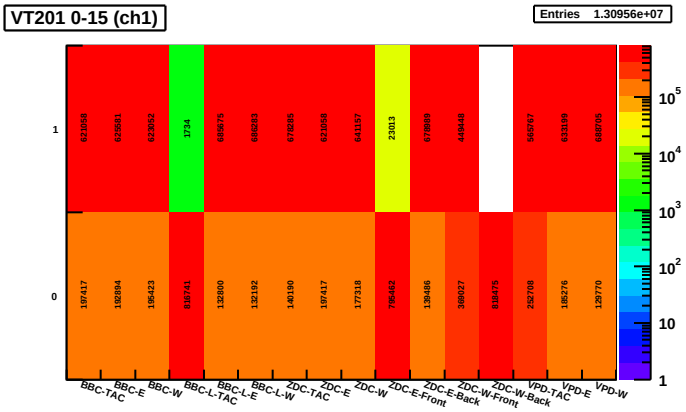

Input to FE002 QT board
Entries 2.61912e+07
ADC
channel

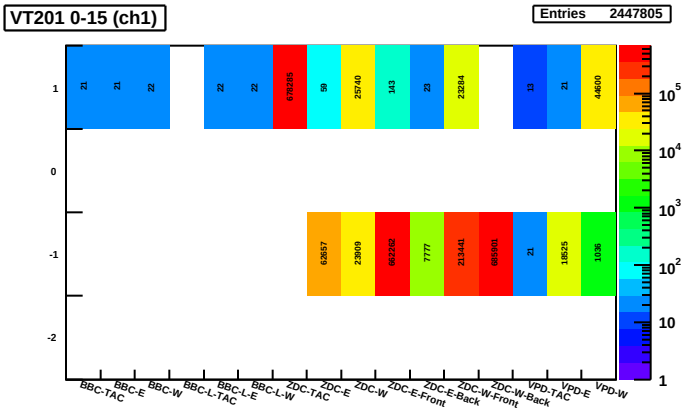

Input to FE003 QT board
Entries 2.61912e+07
ADC
channel

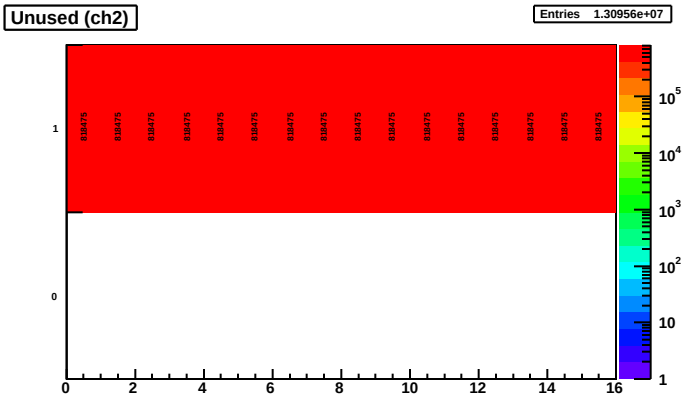

Input to FE004 QT board
Entries 2.61912e+07
ADC
channel

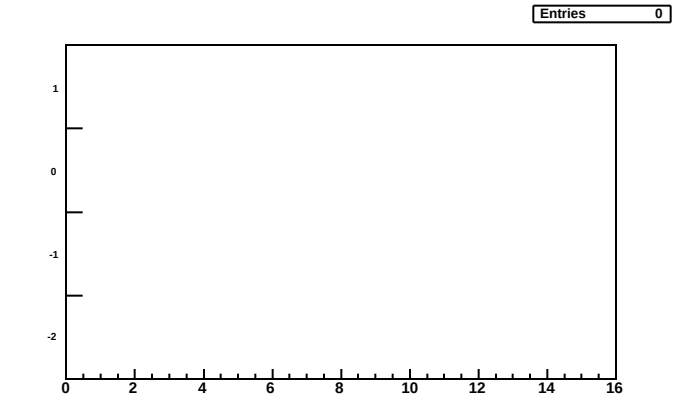

TF201 0-15 (ch0)
Entries 1.30956e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

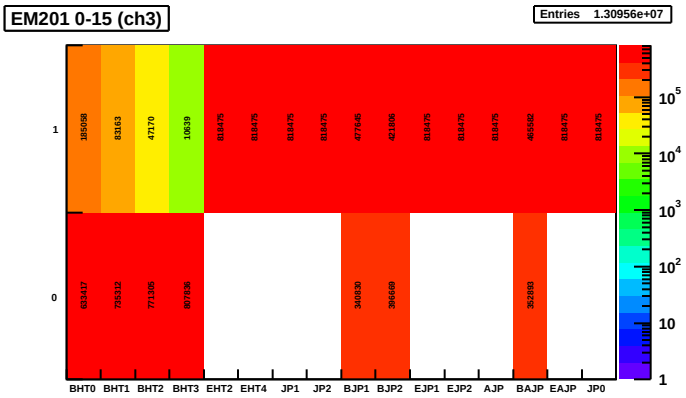

TF201 0-15 (ch0)
Entries 215
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

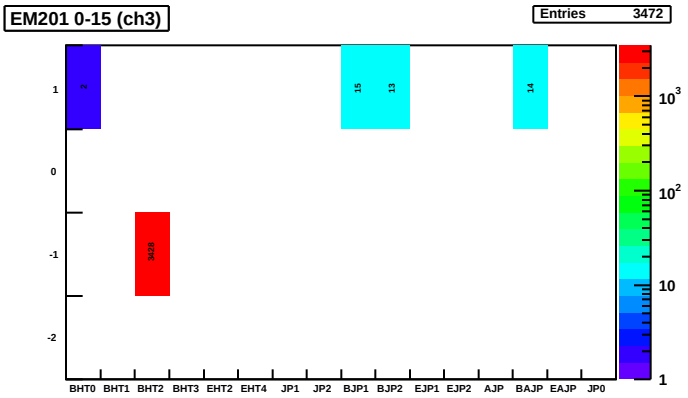

VT201 0-15 (ch1)
Entries 1.30956e+07
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 2447805
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

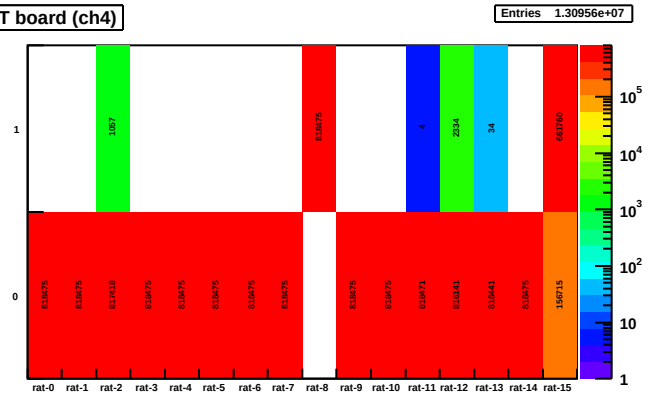

Unused (ch2)
Entries 1.30956e+07

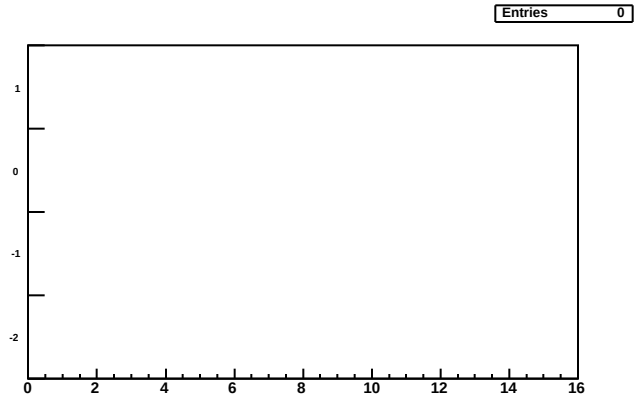

Entries 0


EM201 0-15 (ch3)
Entries 1.30956e+07
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

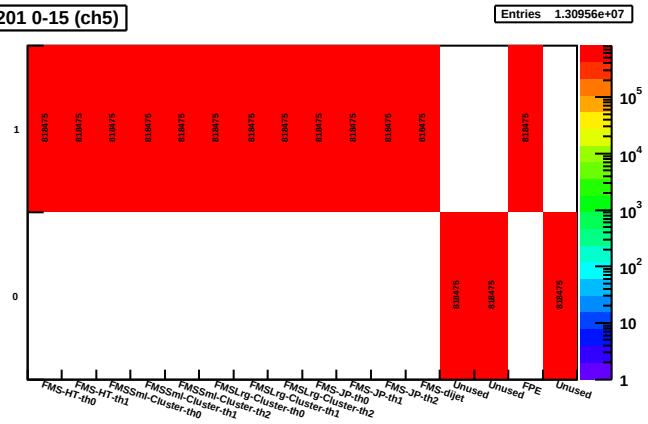

EM201 0-15 (ch3)
Entries 3472
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

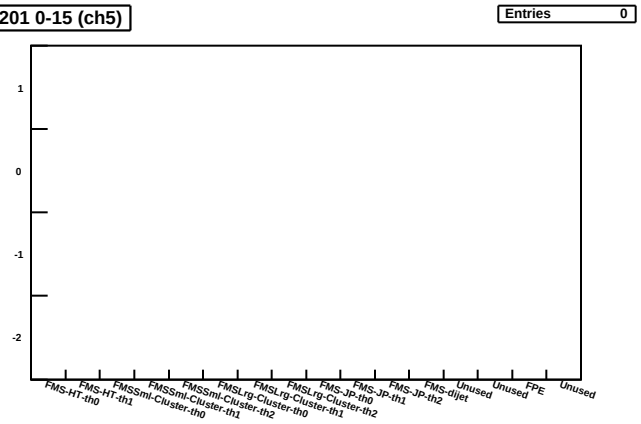




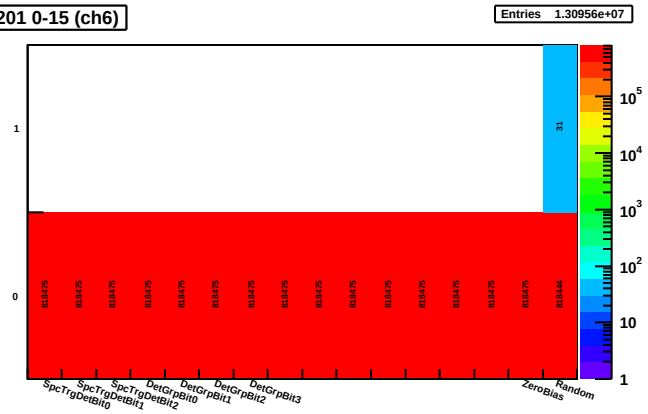
FP201 0-15 (ch5)

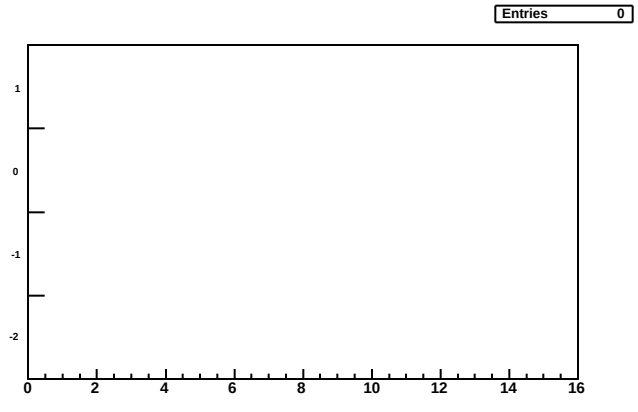
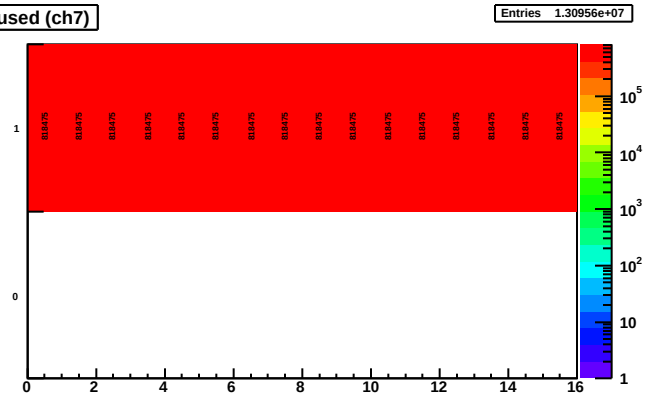
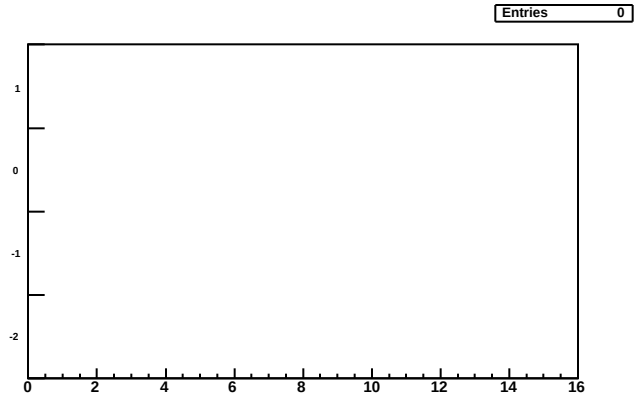


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)