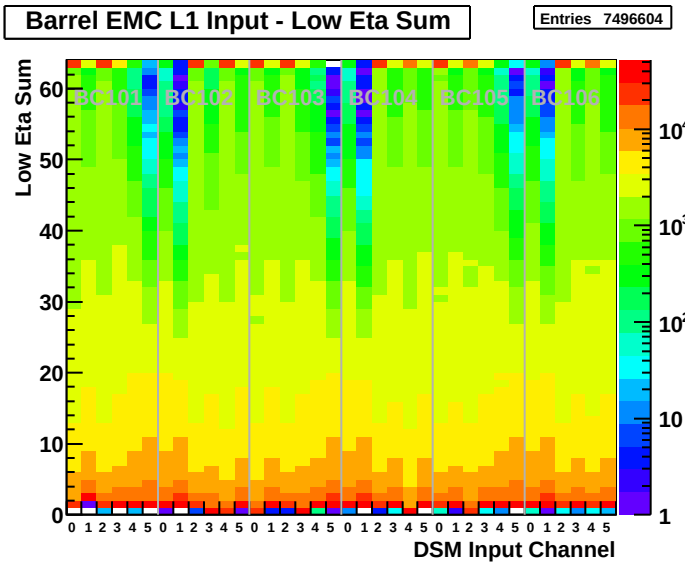
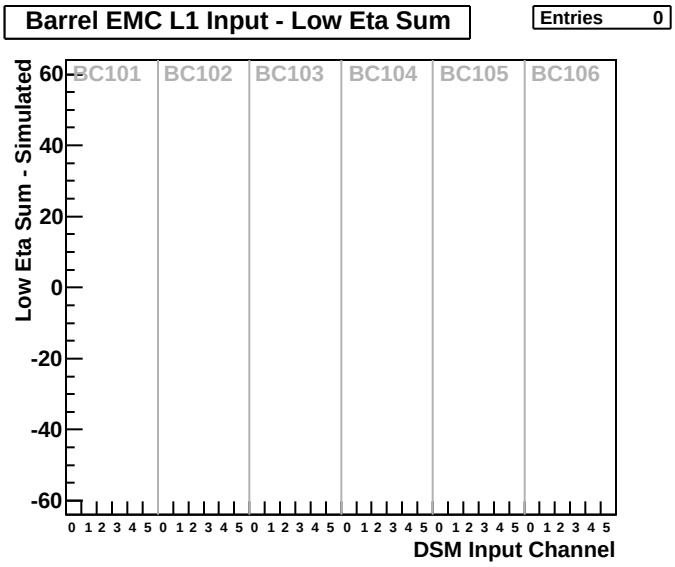
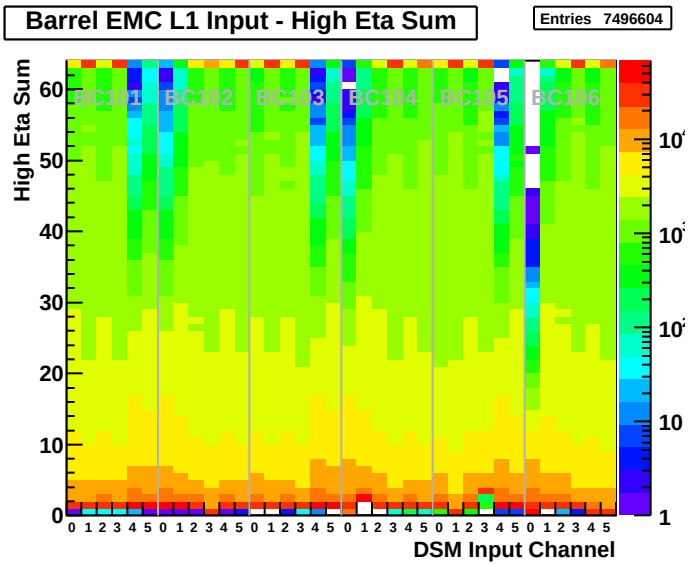
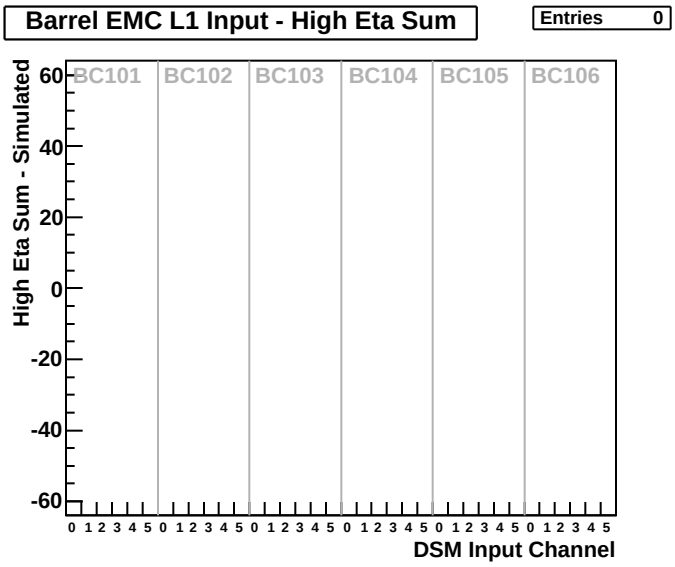
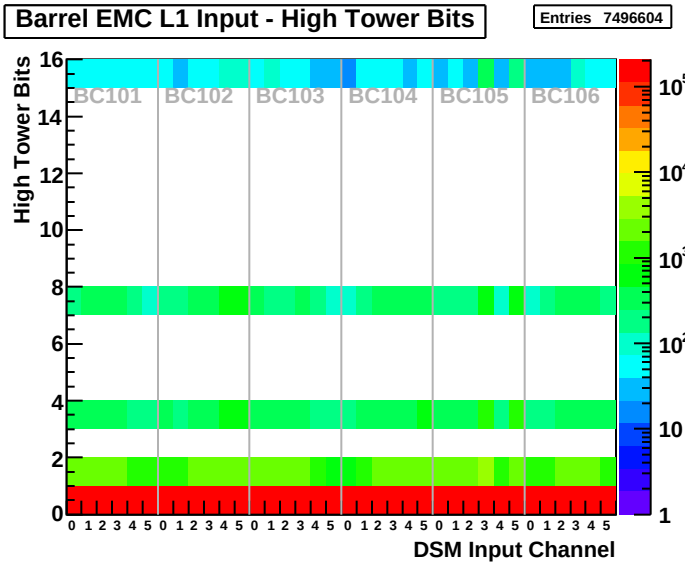
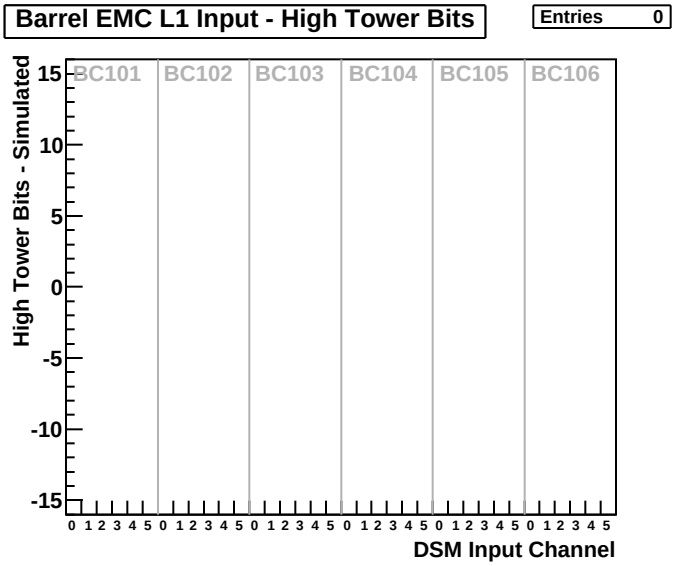

Barrel EMC L1 Input - Low Eta Sum
Entries 7496604
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

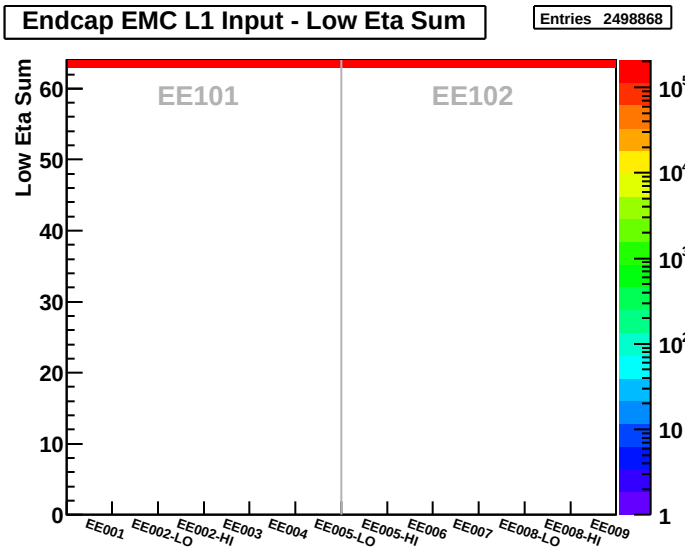

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

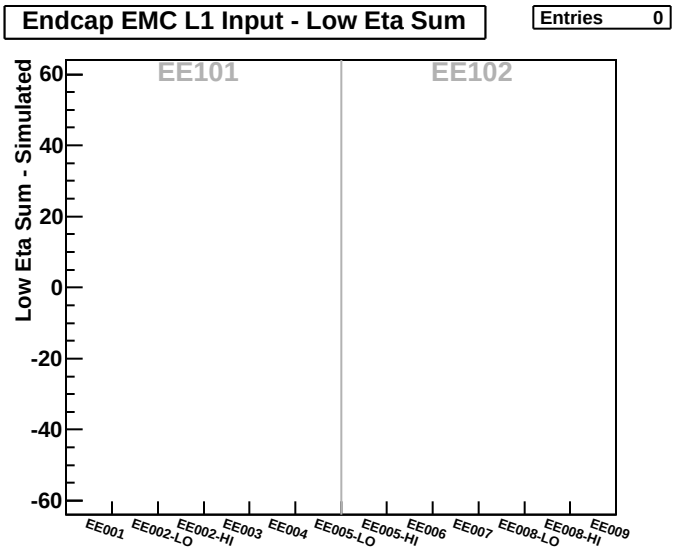

Barrel EMC L1 Input - High Eta Sum
Entries 7496604
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

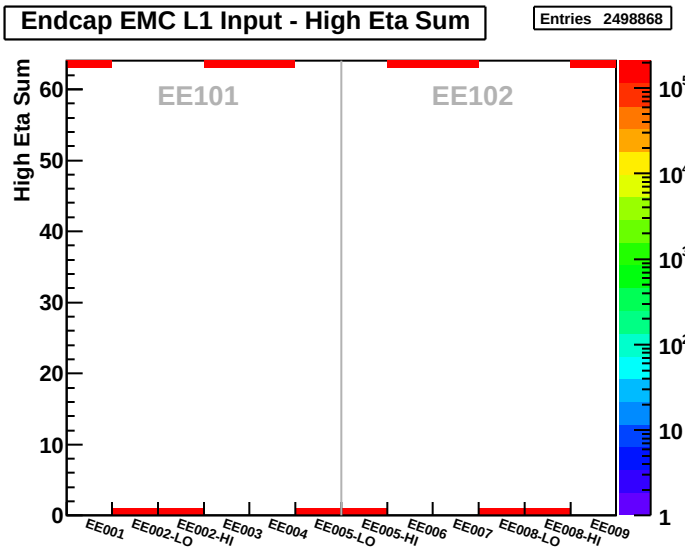

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

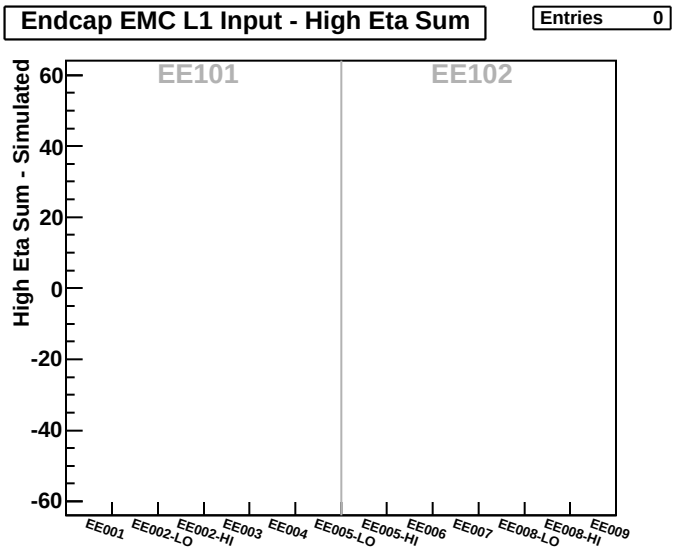

Barrel EMC L1 Input - High Tower Bits
Entries 7496604
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

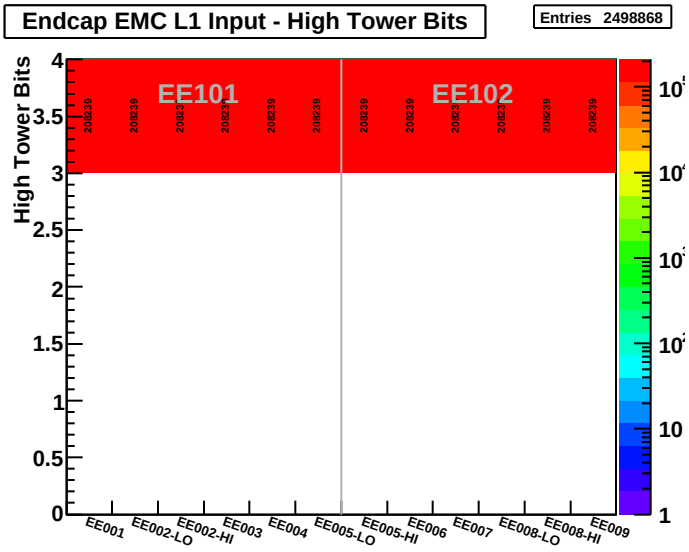

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

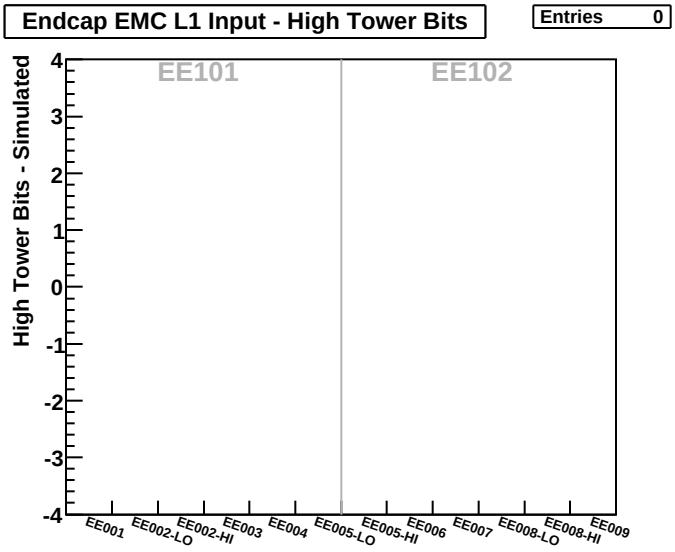

Endcap EMC L1 Input - Low Eta Sum
Entries 2498868
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

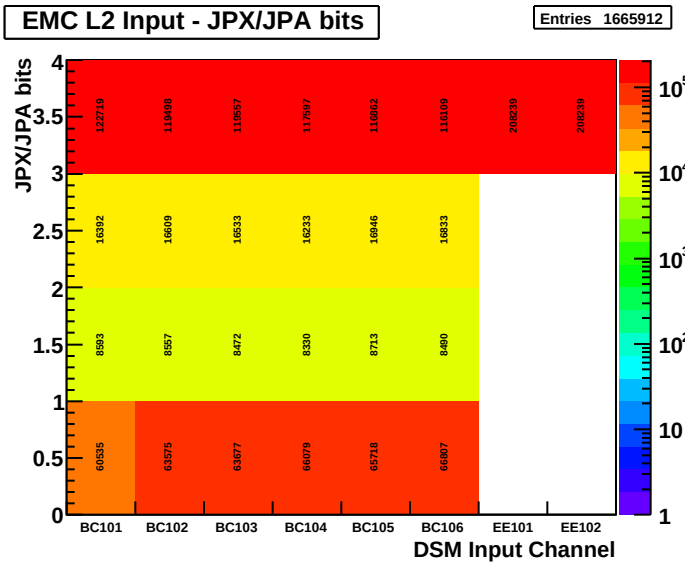

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

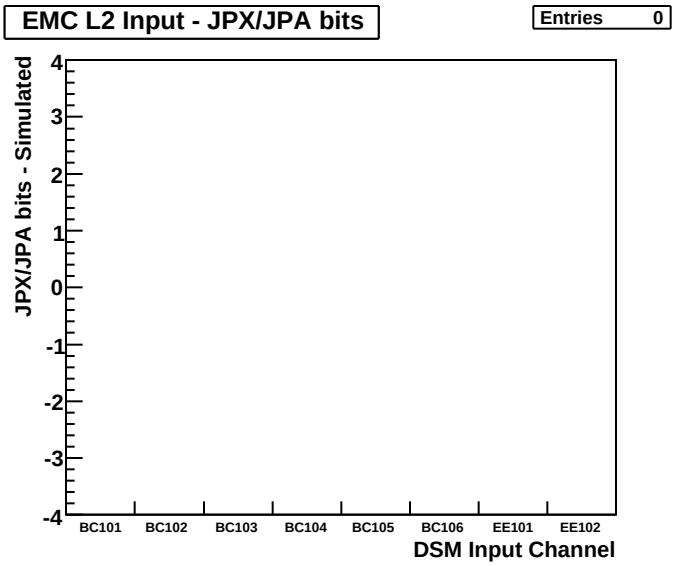

Endcap EMC L1 Input - High Eta Sum
Entries 2498868
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

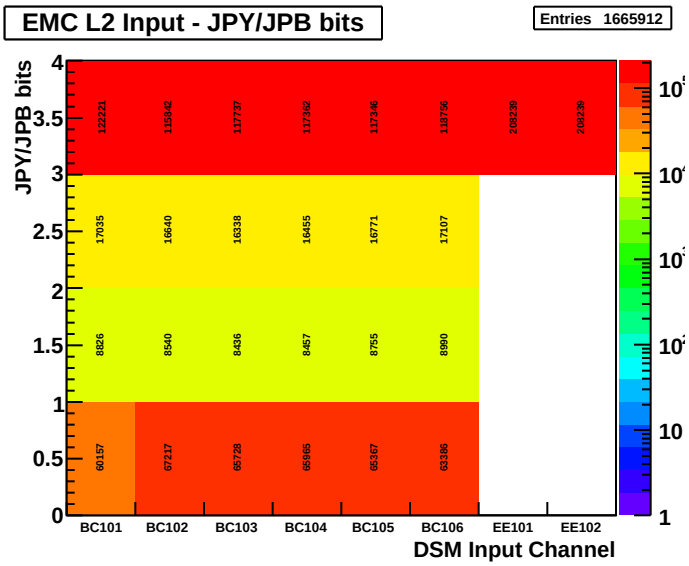

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

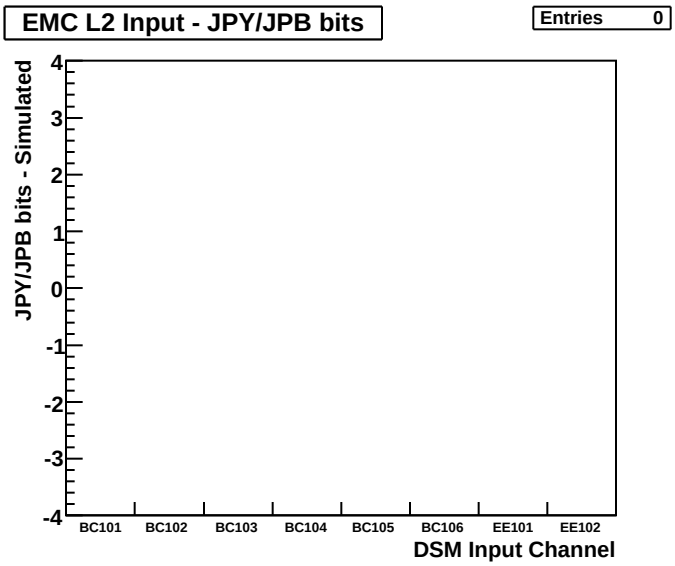

Endcap EMC L1 Input - High Tower Bits
Entries 2498868
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

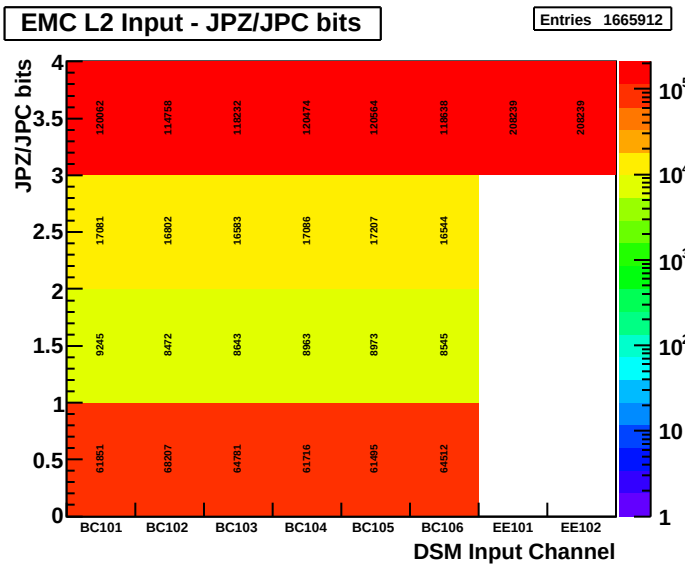

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

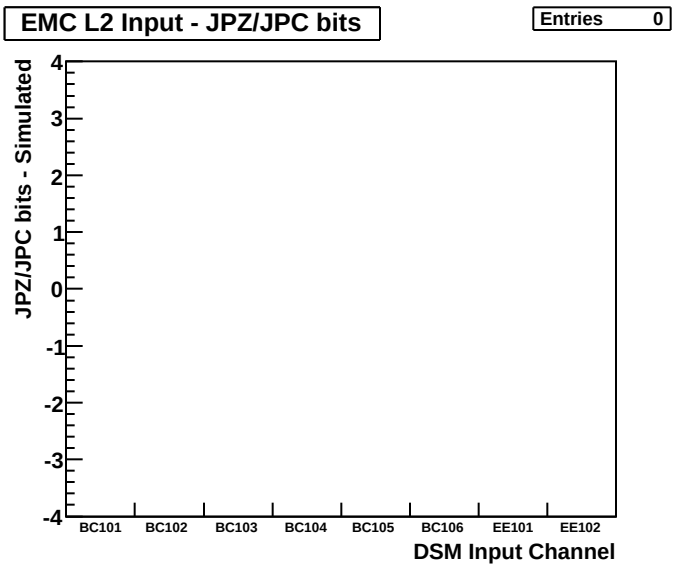

EMC L2 Input - JPX/JPA bits
Entries 1665912
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
122719 119498 119557 117597 116862 116109 208239 208239
16392 16609 16533 16233 16946 16833
8593 8557 8472 8330 8713 8490
60535 63575 63677 66079 65718 66807

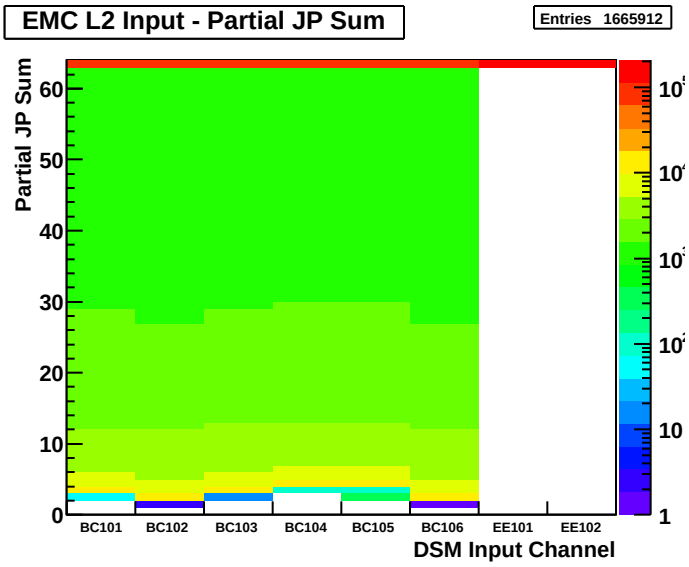

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

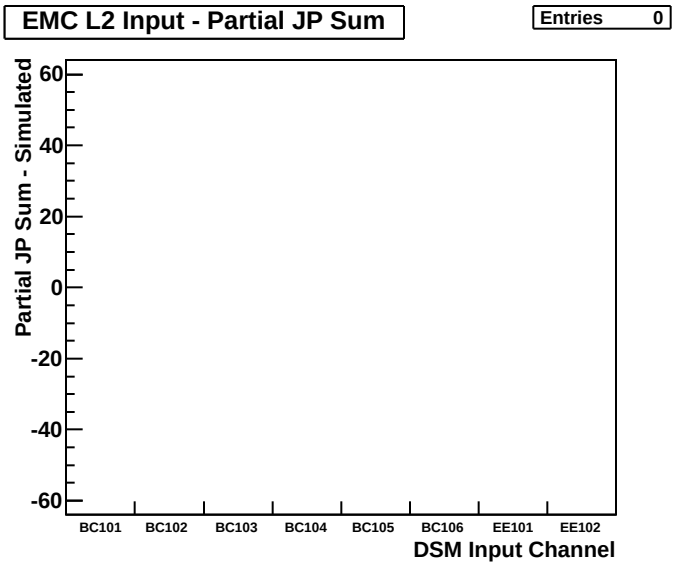

EMC L2 Input - JPY/JPB bits
Entries 1665912
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
122221 115842 117737 117362 117346 118756 208239 208239
17035 16640 16338 16455 16771 17107
8826 8540 8436 8457 8755 8990
60157 67217 65728 65965 65367 63386

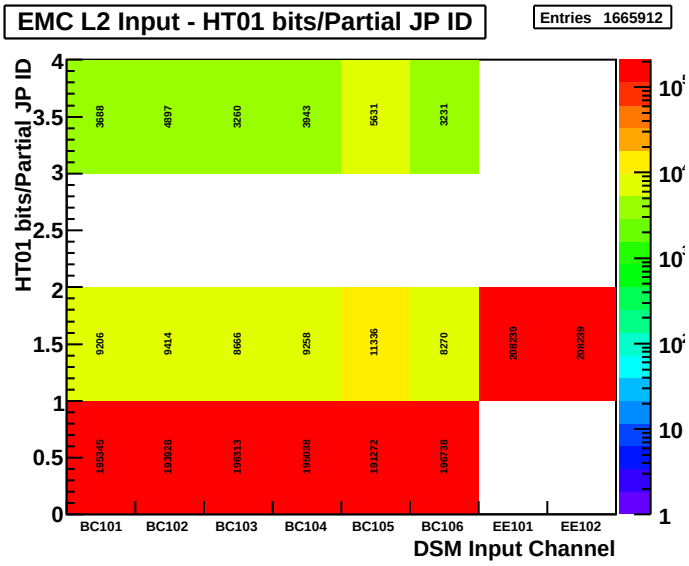

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

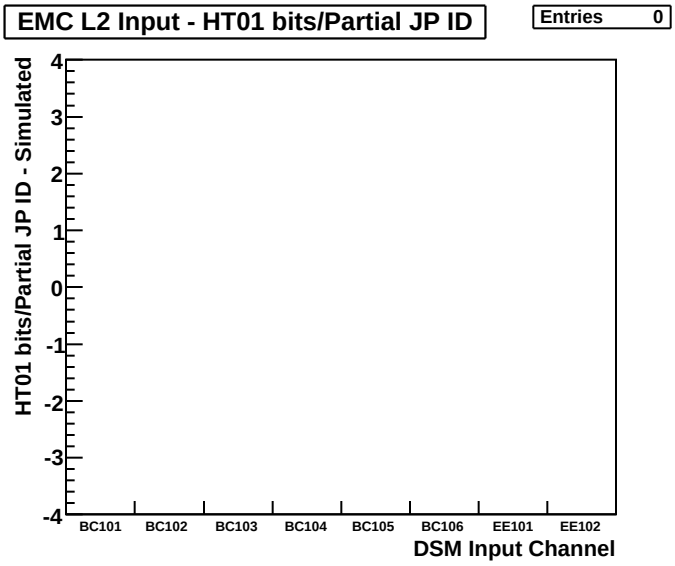

EMC L2 Input - JPZ/JPC bits
Entries 1665912
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
120062 114758 118232 120474 120564 118838 208239 208239
17081 16802 16583 17086 17207 16544
9245 8472 8643 8963 8973 8545
61851 68207 64781 61716 61495 64512

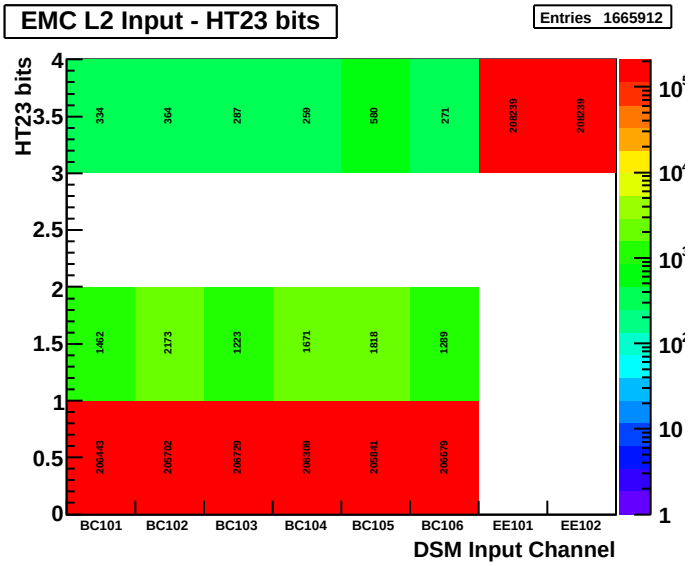

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

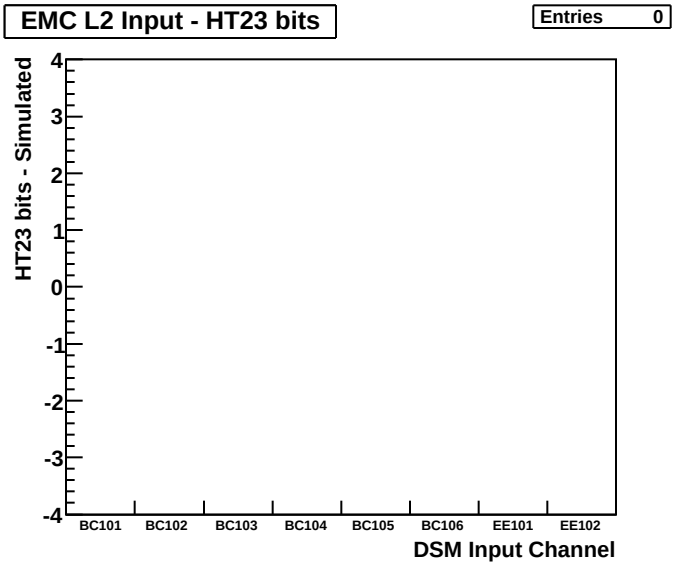

EMC L2 Input - Partial JP Sum
Entries 1665912
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

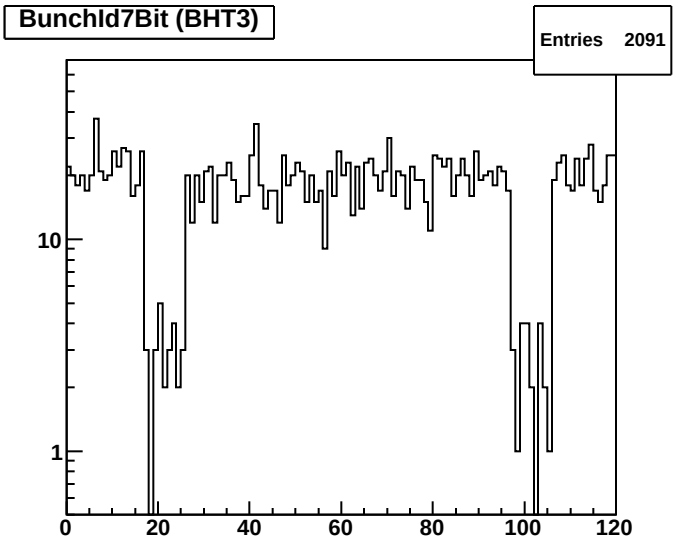

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

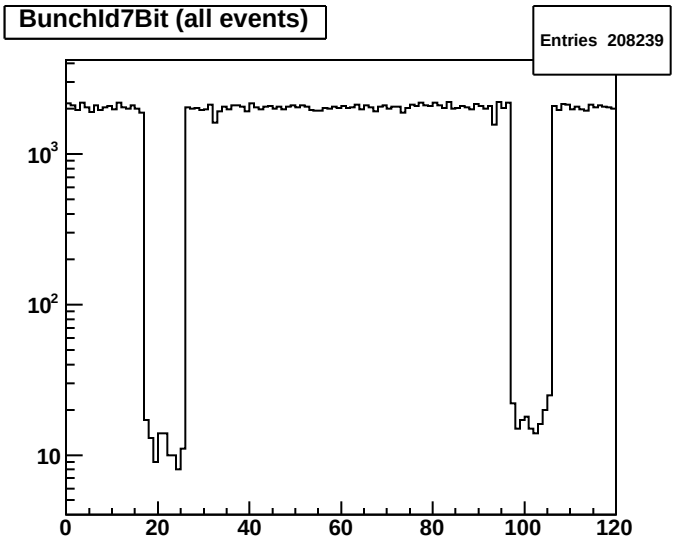

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1665912
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

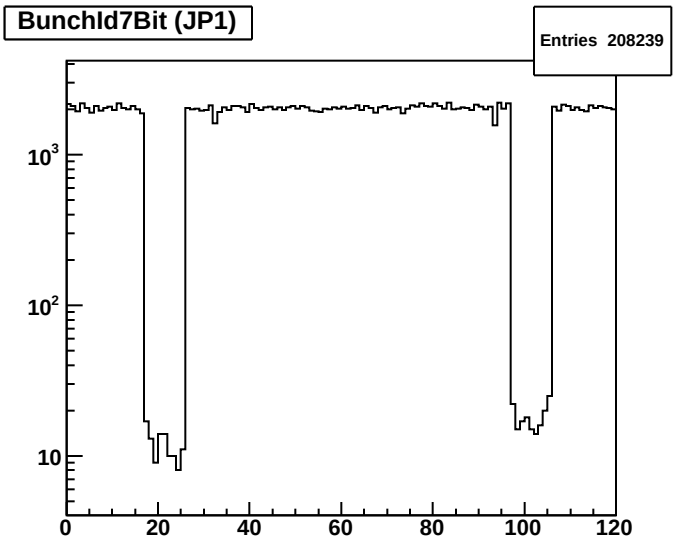

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

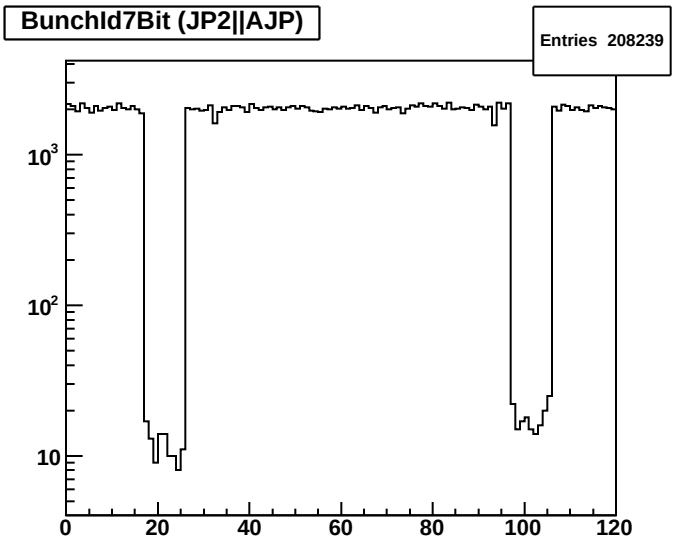

EMC L2 Input - HT23 bits
Entries 1665912
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

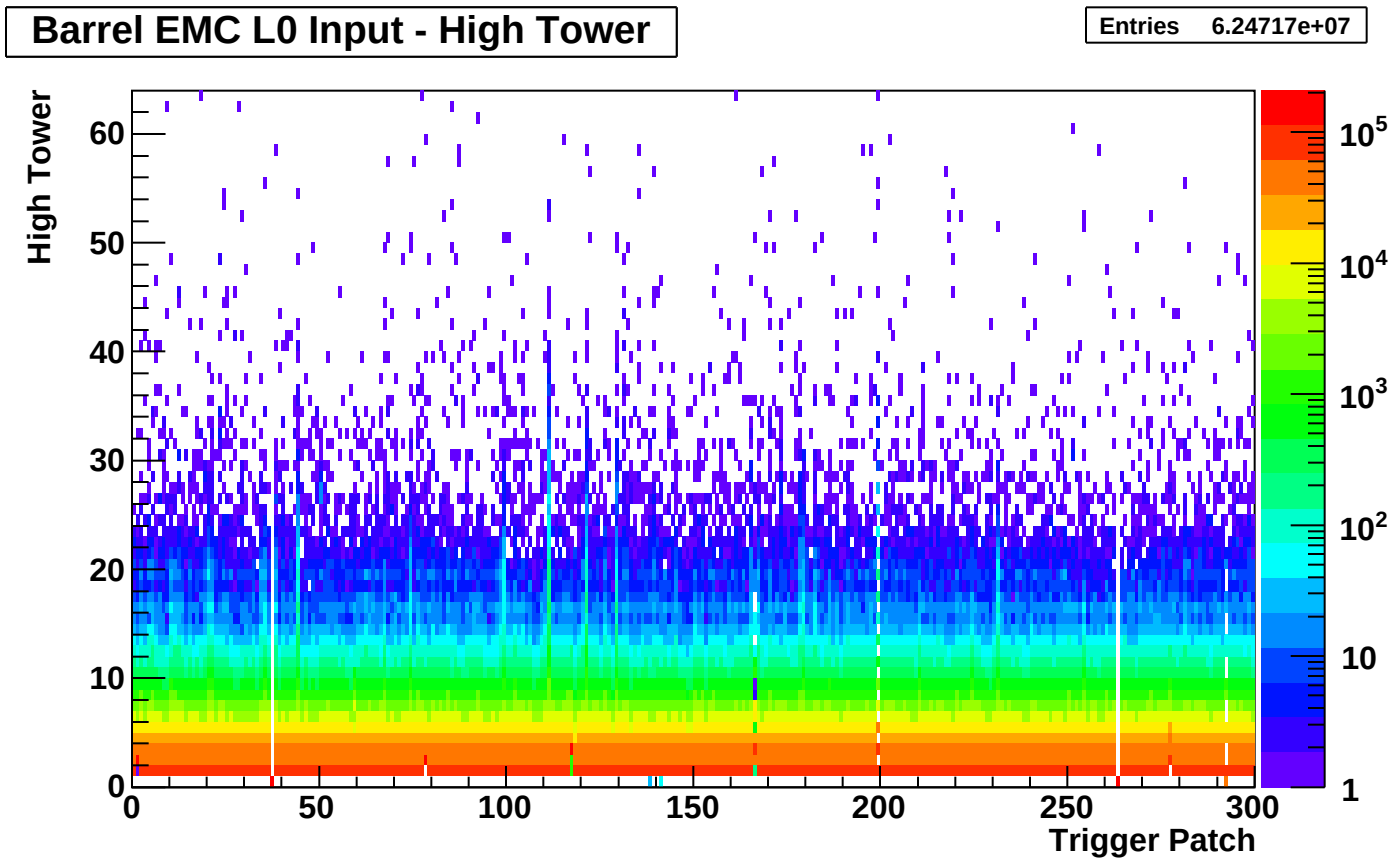

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

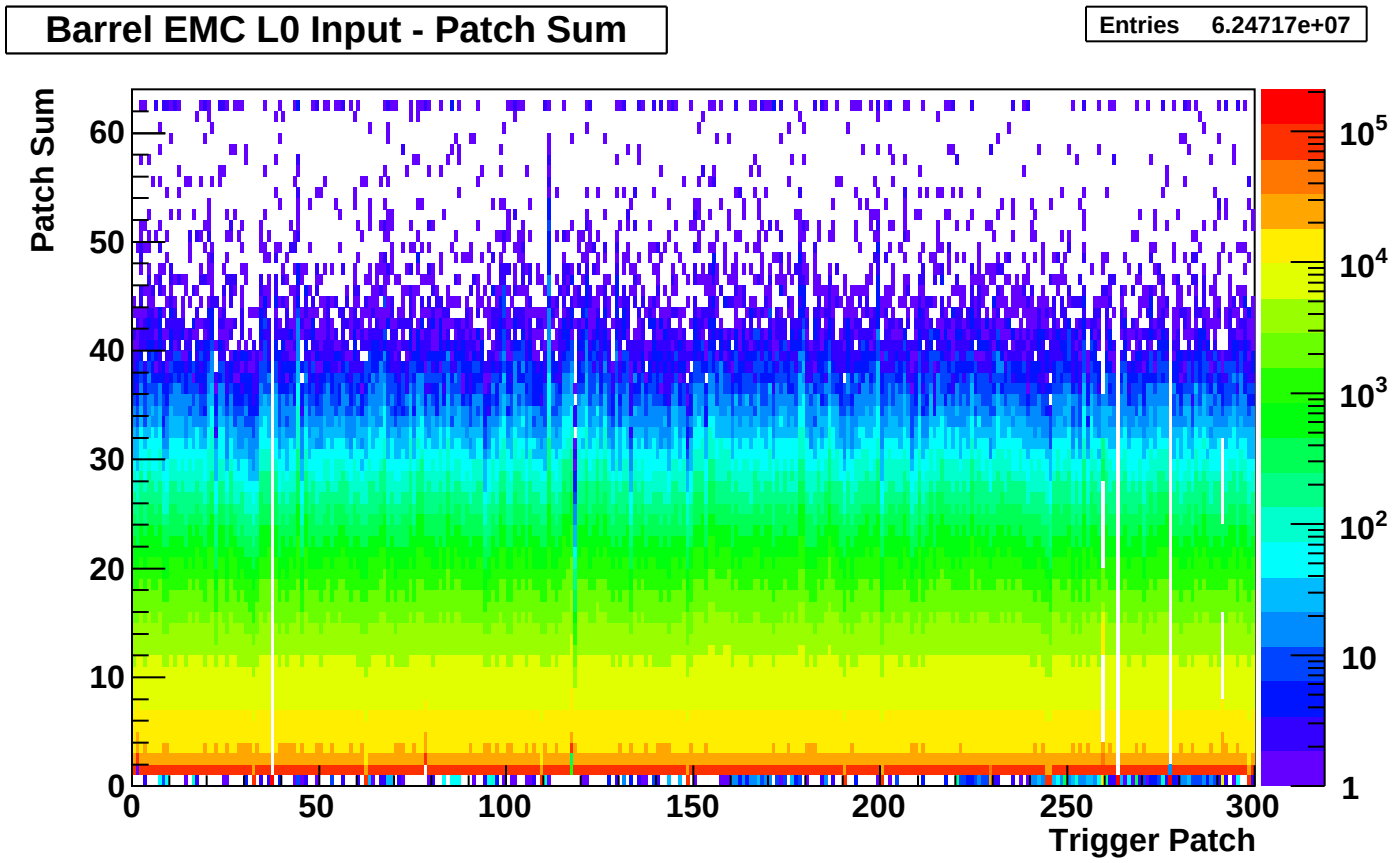

BunchId7Bit (BHT3)
Entries 2091
10
1
0
20
40
60
80
100
120

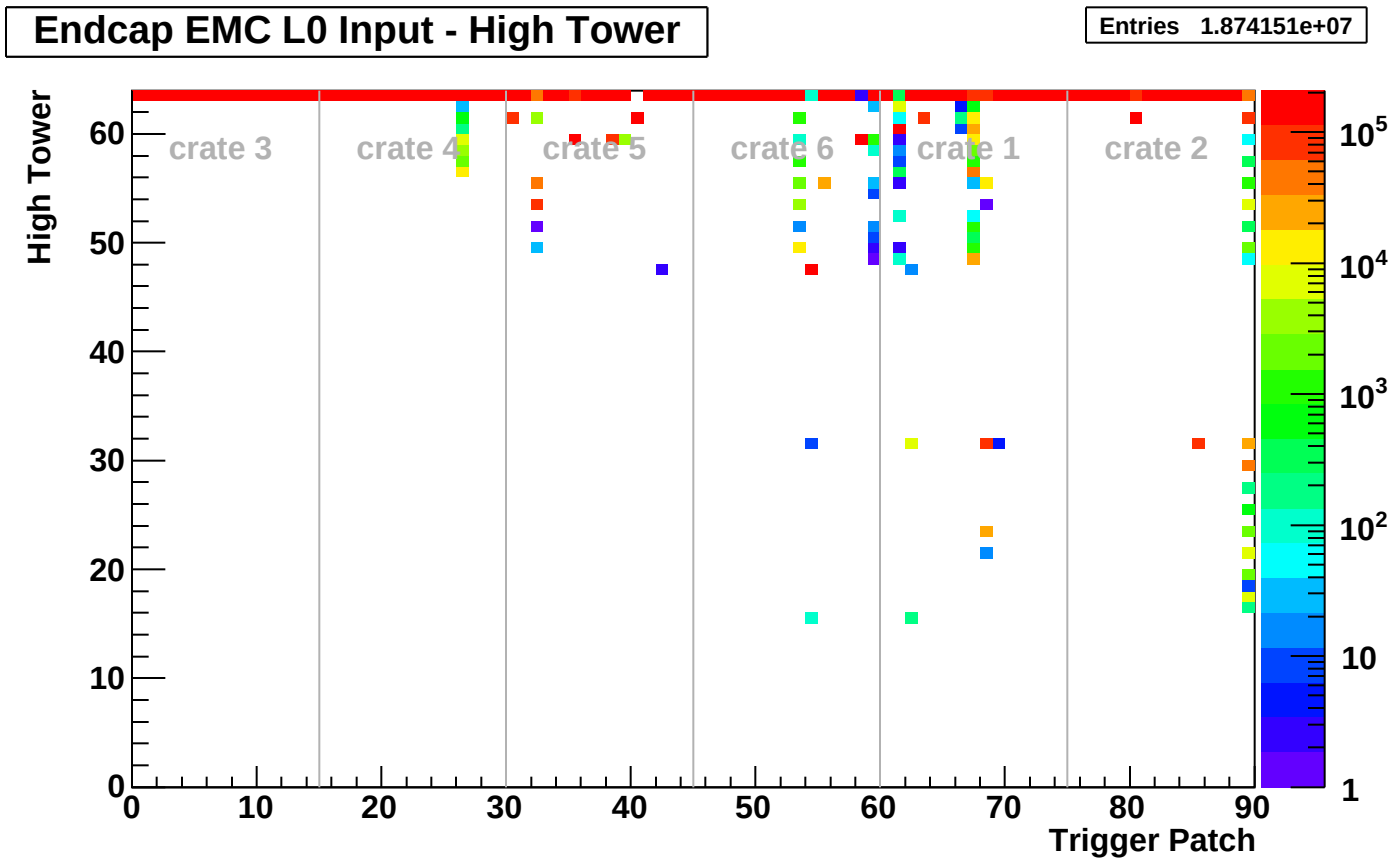

BunchId7Bit (all events)
Entries 208239
10^3
10^2
10
0
20
40
60
80
100
120

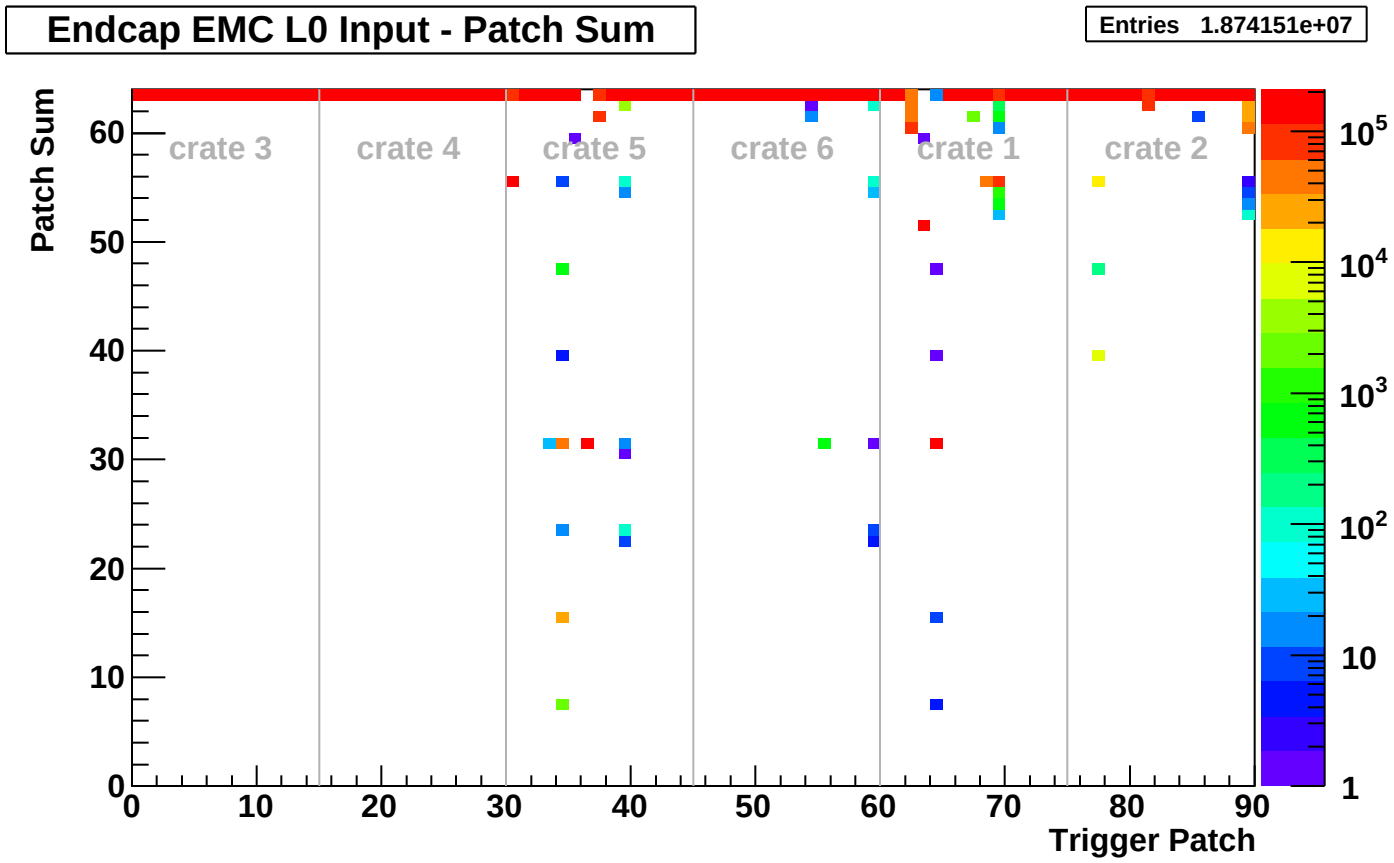

BunchId7Bit (JP1)
Entries 208239
10^3
10^2
10
0
20
40
60
80
100
120

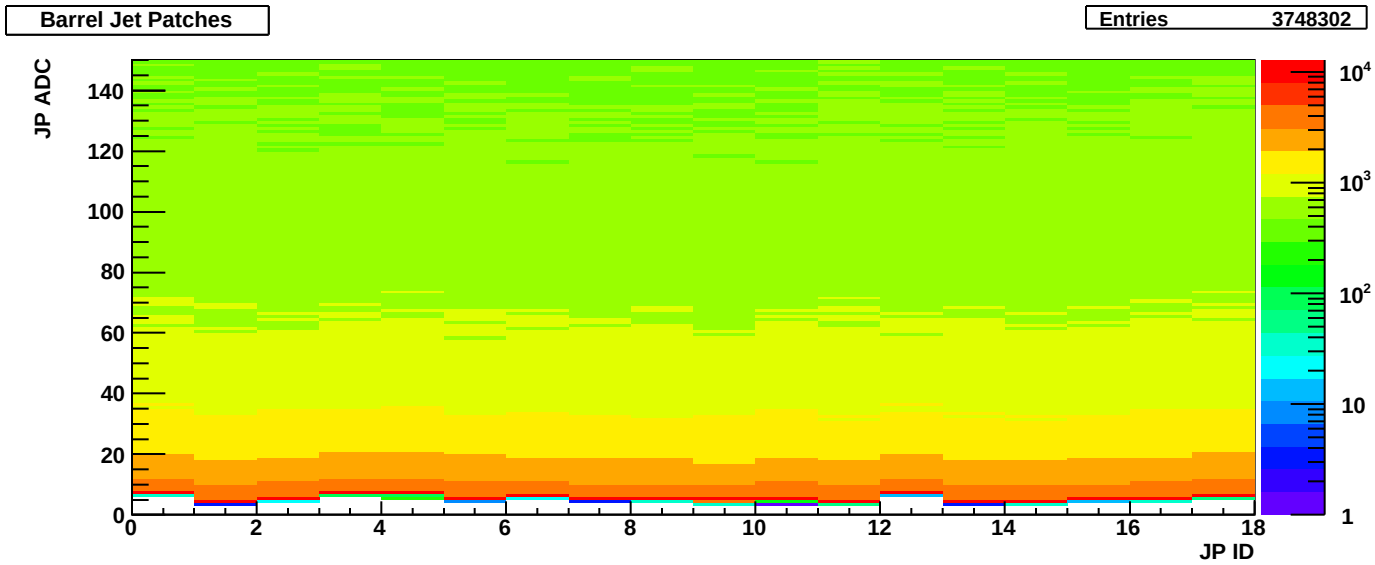

BunchId7Bit (JP2||AJP)
Entries 208239
10^3
10^2
10
0
20
40
60
80
100
120

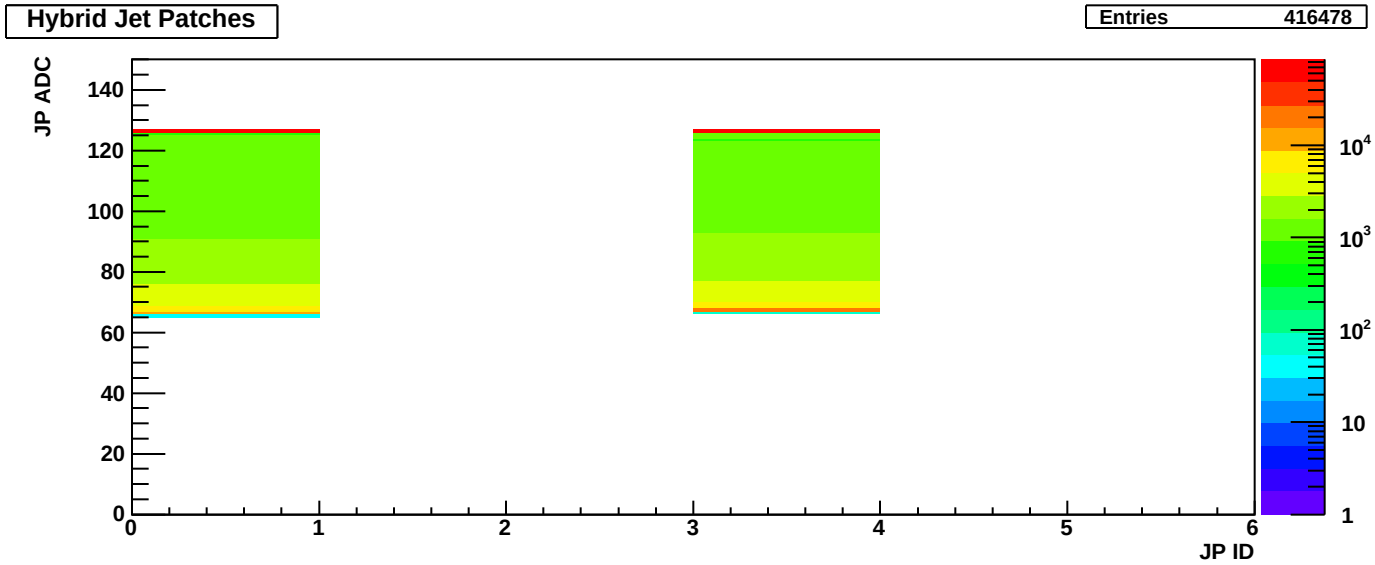

Barrel EMC L0 Input - High Tower
Entries 6.24717e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

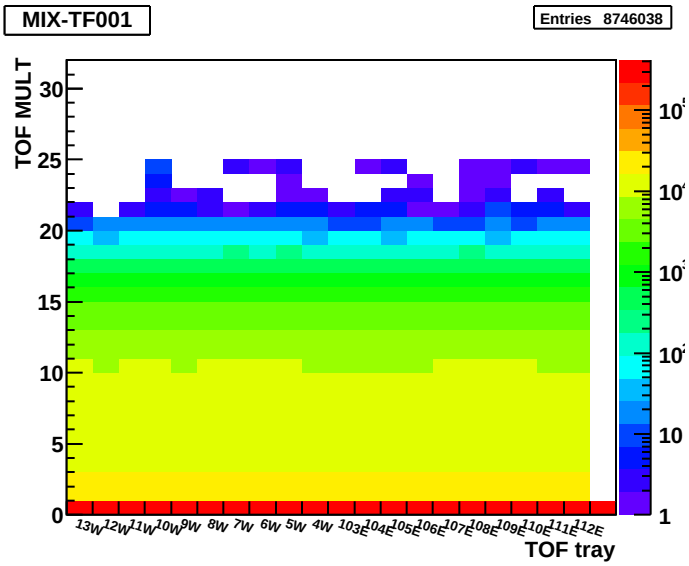

Barrel EMC L0 Input - Patch Sum
Entries 6.24717e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

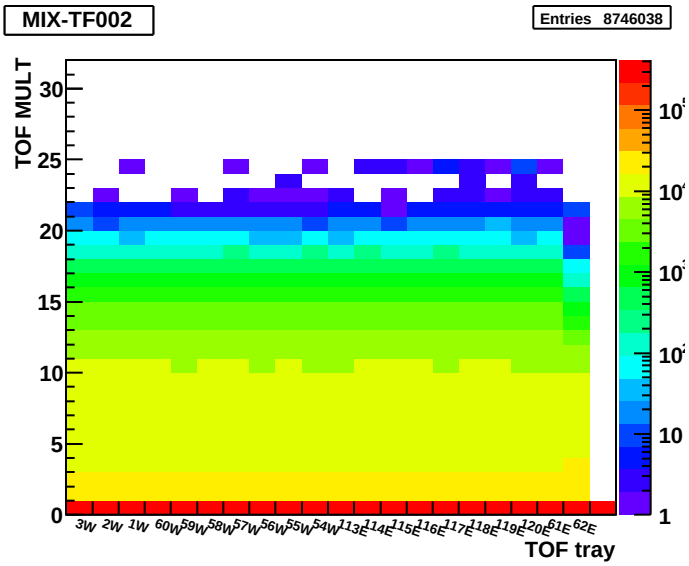

Endcap EMC L0 Input - High Tower
Entries 1.874151e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

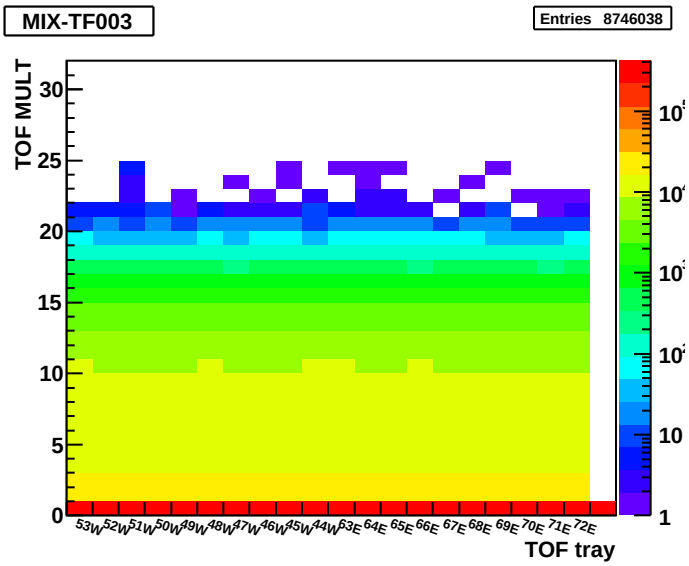

Endcap EMC L0 Input - Patch Sum
Entries 1.874151e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

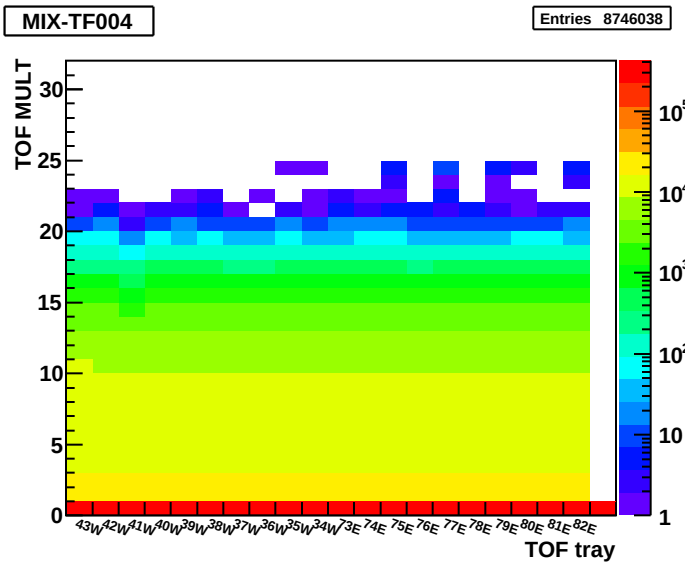

Barrel Jet Patches
Entries 3748302
JP ADC
JP ID

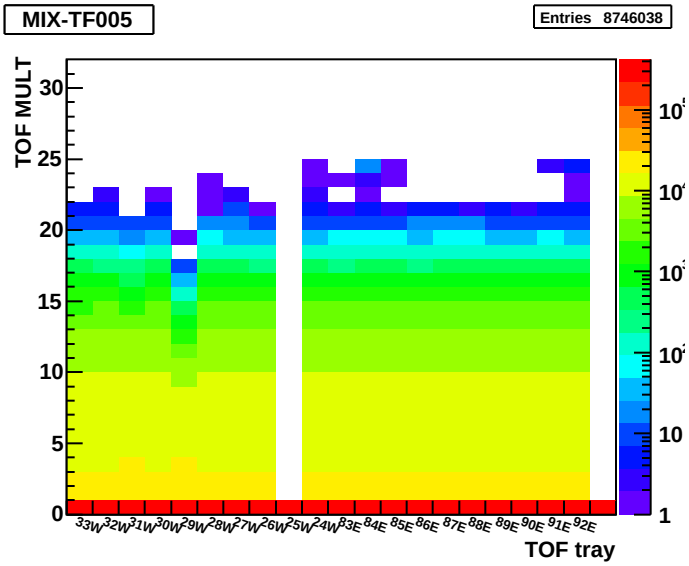

Hybrid Jet Patches
Entries 416478
JP ADC
JP ID

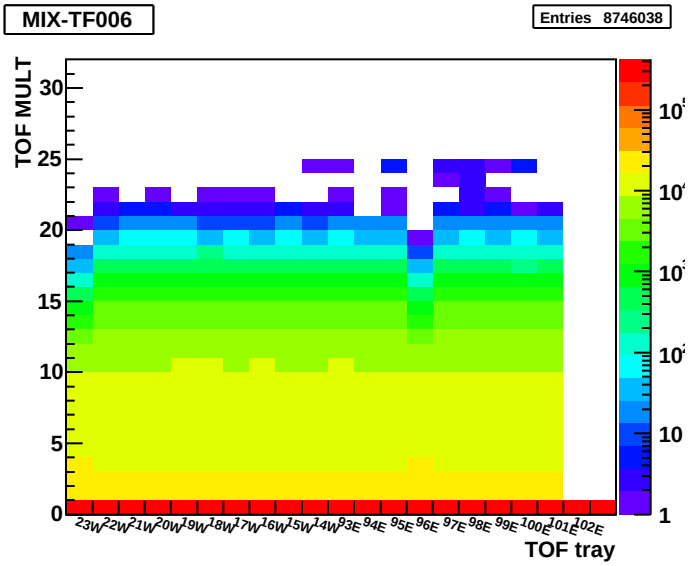

MIX-TF001
Entries 8746038
TOF MULT
TOF tray

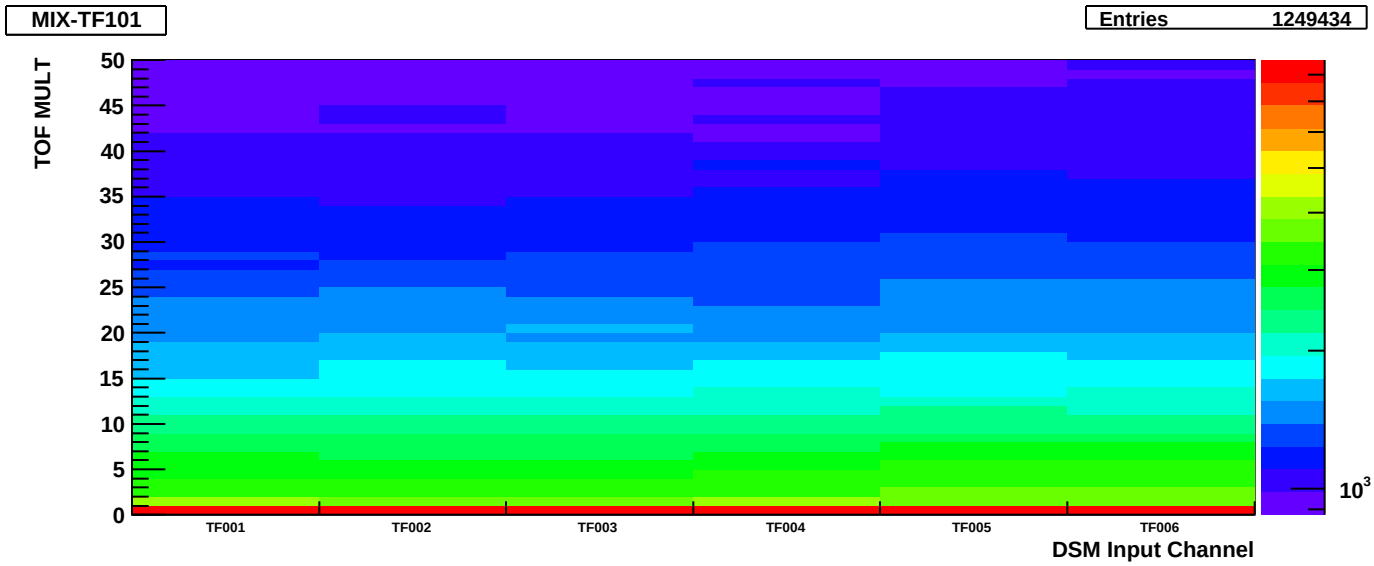

MIX-TF002
Entries 8746038
TOF MULT
TOF tray

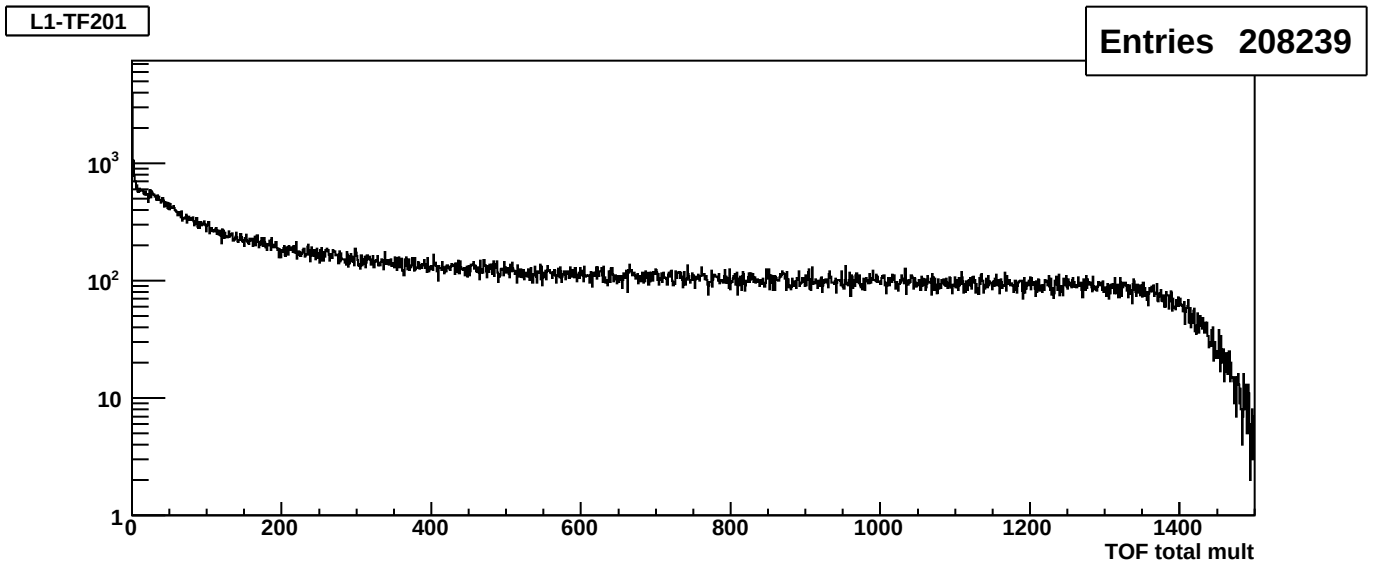

MIX-TF003
Entries 8746038
TOF MULT
TOF tray

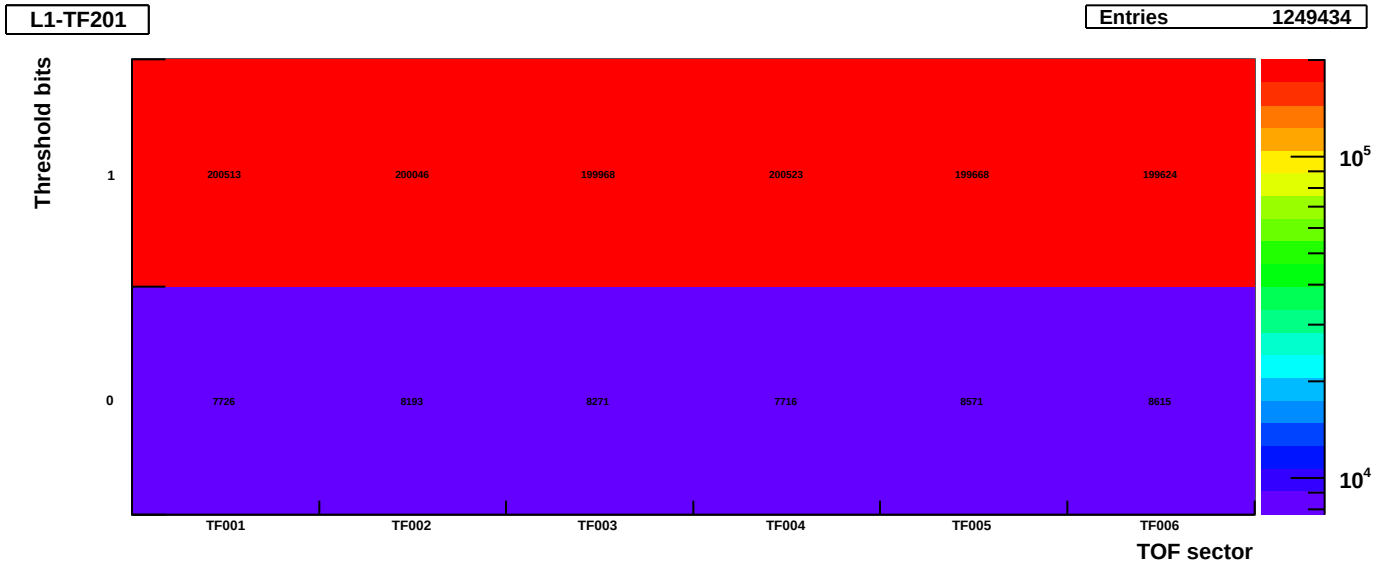

MIX-TF004
Entries 8746038
TOF MULT
TOF tray

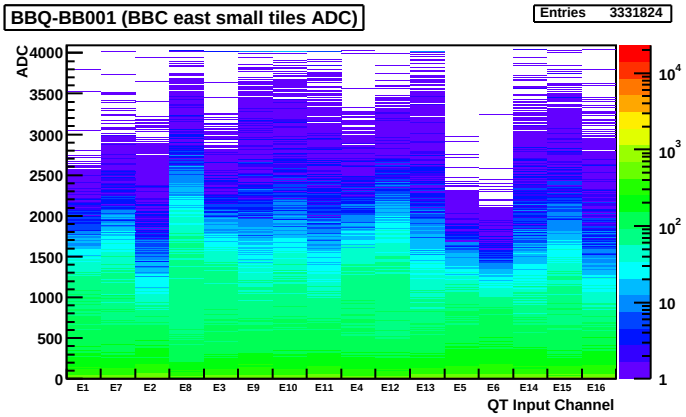

MIX-TF005
Entries 8746038
TOF MULT
TOF tray

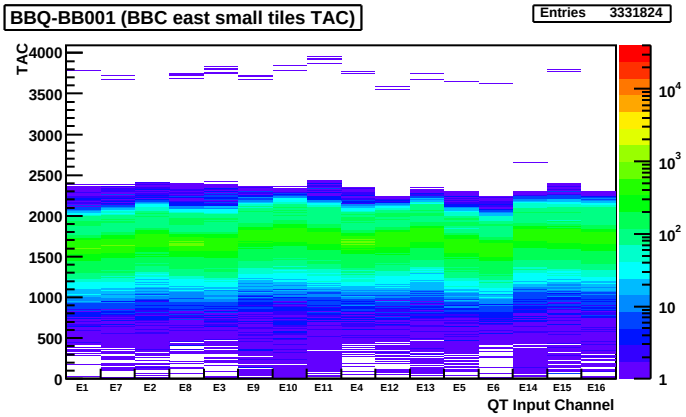

MIX-TF006
Entries 8746038
TOF MULT
TOF tray

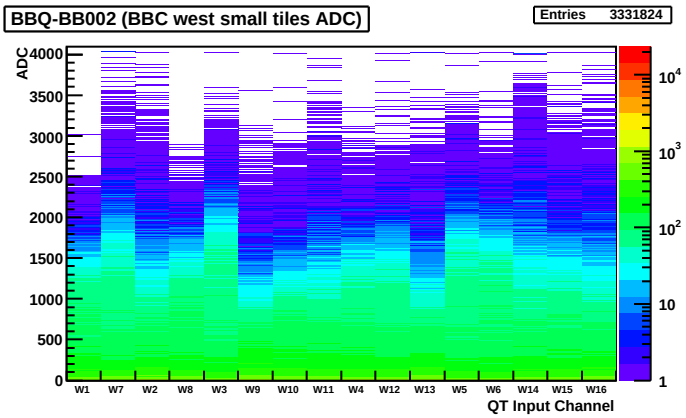

MIX-TF101
Entries 1249434
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

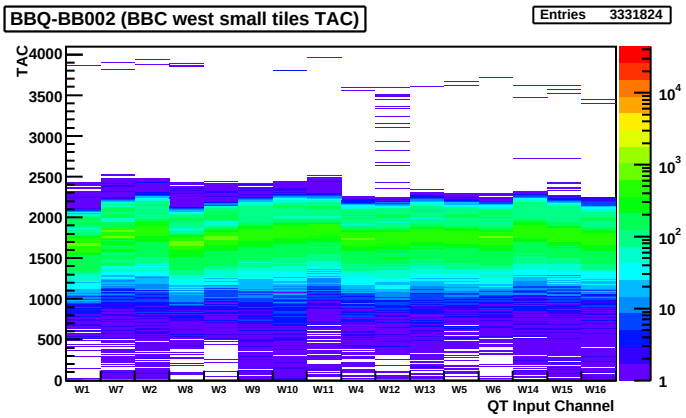

L1-TF201
Entries 208239
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

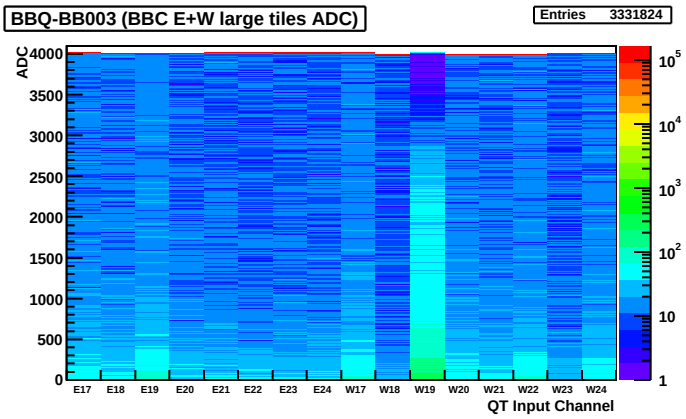

L1-TF201
Entries 1249434
Threshold bits
1
0
200513
200046
199968
200523
199668
199624
7726
8193
8271
7716
8571
8615
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

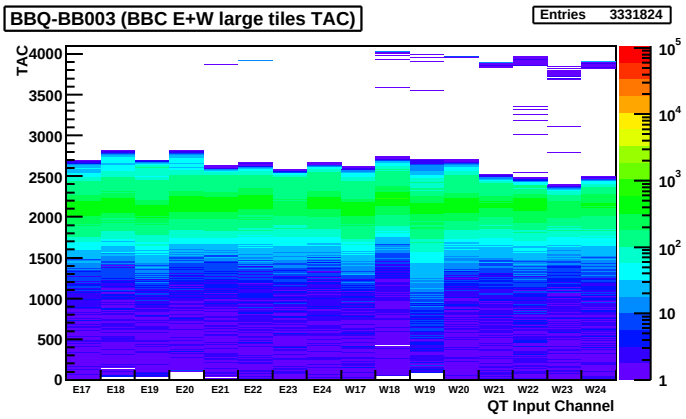

BBQ-BB001 (BBC east small tiles ADC)
Entries 3331824
ADC
QT Input Channel

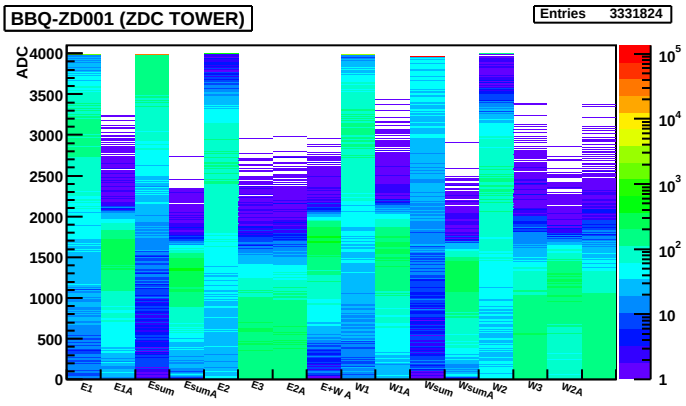

BBQ-BB001 (BBC east small tiles TAC)
Entries 3331824
TAC
QT Input Channel

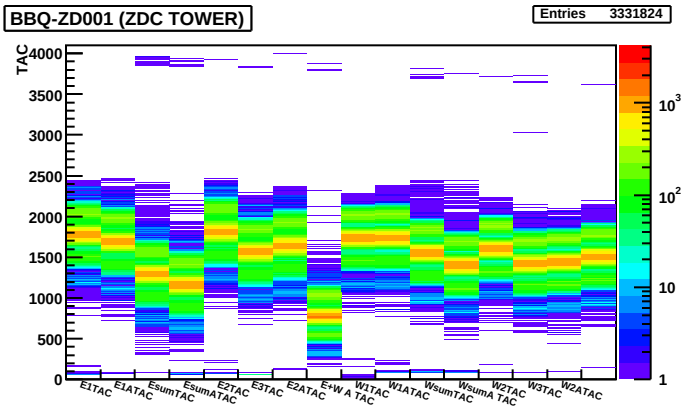

BBQ-BB002 (BBC west small tiles ADC)
Entries 3331824
ADC
QT Input Channel

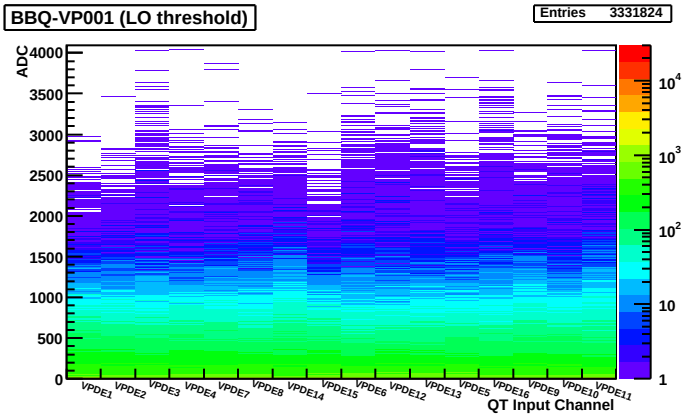

BBQ-BB002 (BBC west small tiles TAC)
Entries 3331824
TAC
QT Input Channel

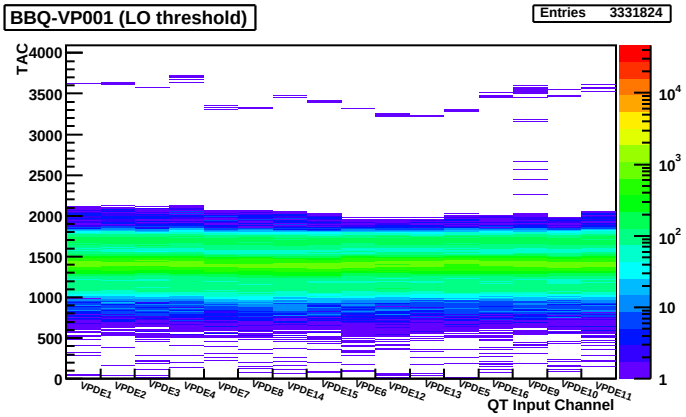

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3331824
ADC
QT Input Channel

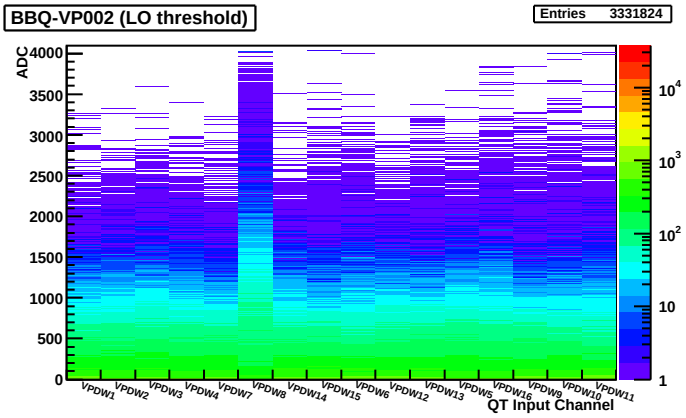

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3331824
TAC
QT Input Channel

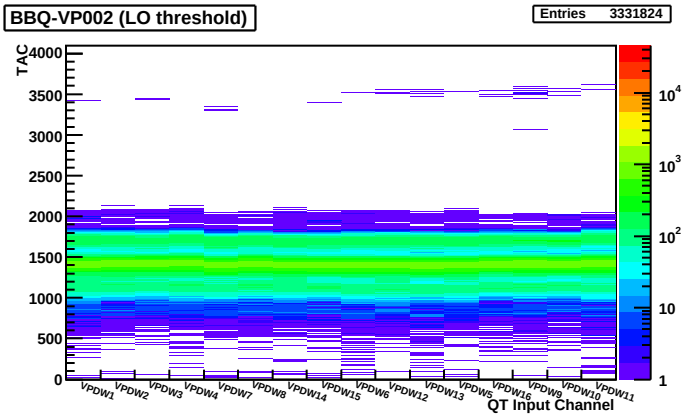

BBQ-ZD001 (ZDC TOWER)
Entries 3331824
ADC

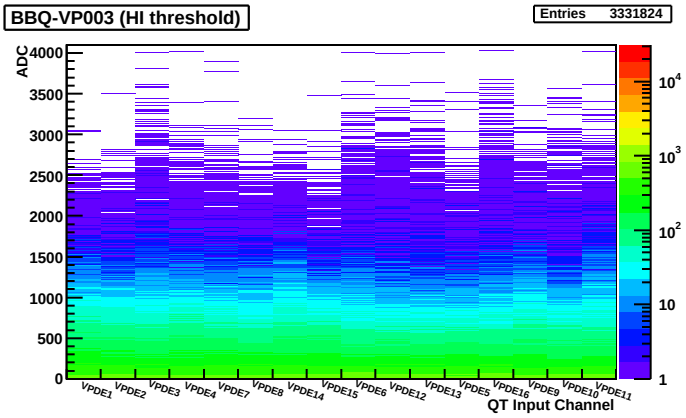

BBQ-ZD001 (ZDC TOWER)
Entries 3331824
TAC

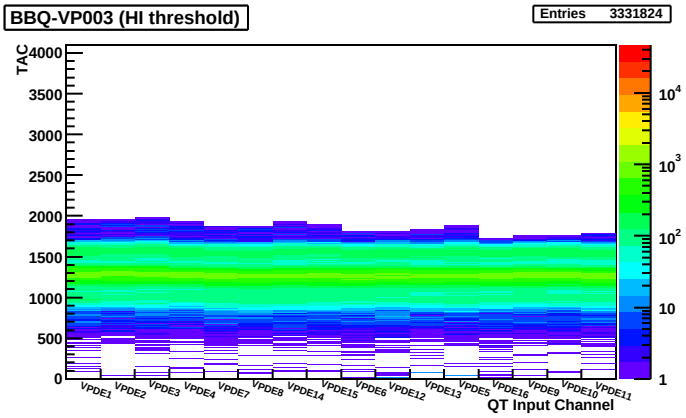

BBQ-VP001 (LO threshold)
Entries 3331824
ADC
QT Input Channel

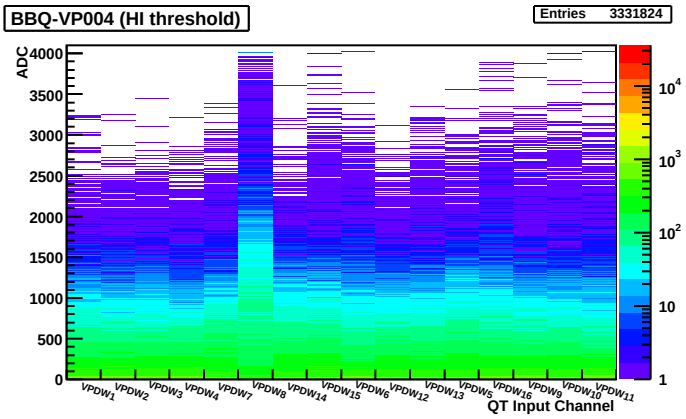

BBQ-VP001 (LO threshold)
Entries 3331824
TAC
QT Input Channel

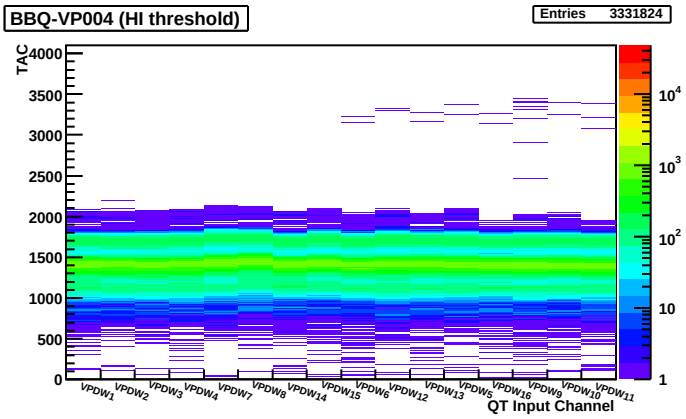

BBQ-VP002 (LO threshold)
Entries 3331824
ADC
QT Input Channel

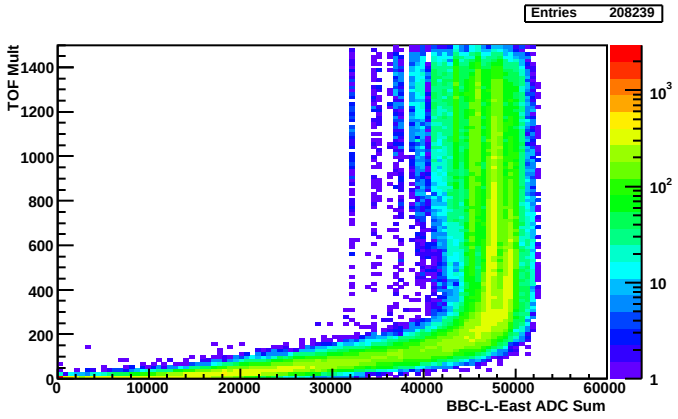

BBQ-VP002 (LO threshold)
Entries 3331824
TAC
QT Input Channel

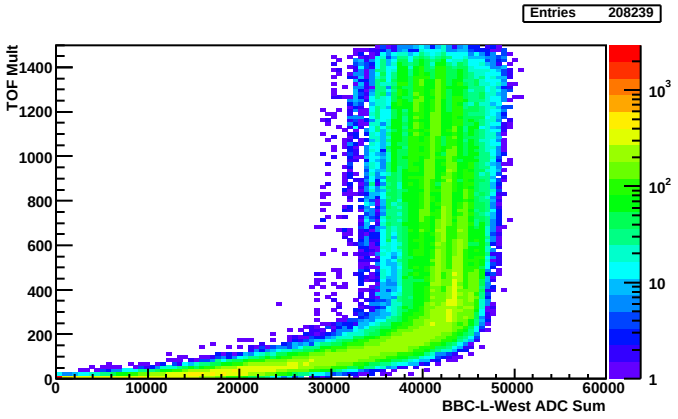

BBQ-VP003 (HI threshold)
Entries 3331824
ADC
QT Input Channel

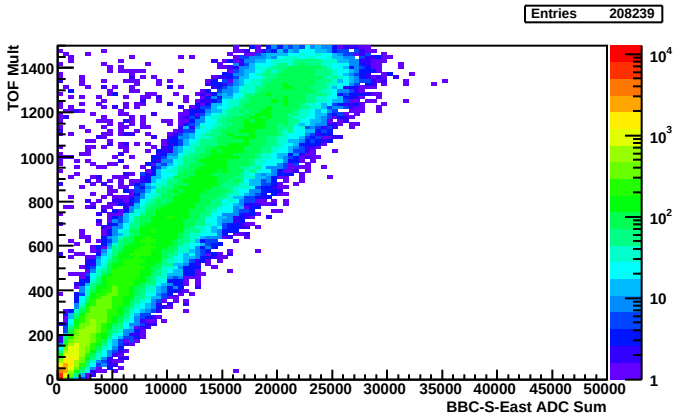

BBQ-VP003 (HI threshold)
Entries 3331824
TAC
QT Input Channel

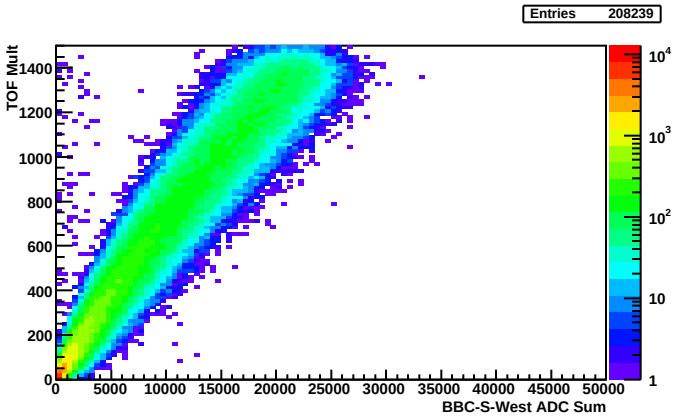

BBQ-VP004 (HI threshold)
Entries 3331824
ADC
QT Input Channel

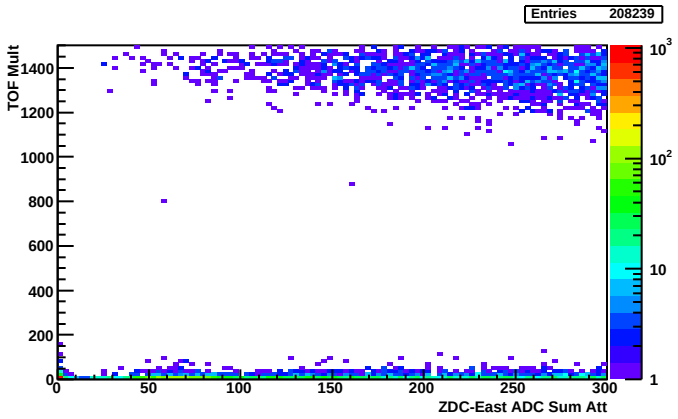

BBQ-VP004 (HI threshold)
Entries 3331824
TAC
QT Input Channel

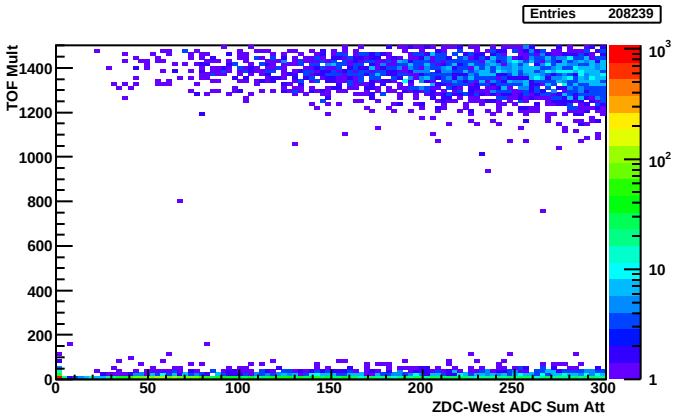

Entries 208239
TOF Mult
BBC-L-East ADC Sum

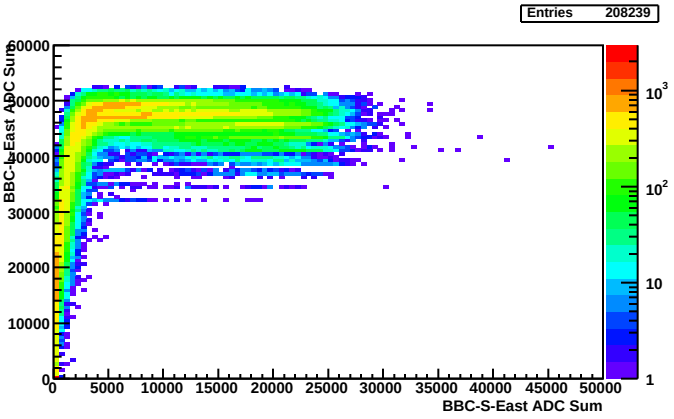

Entries 208239
TOF Mult
BBC-L-West ADC Sum

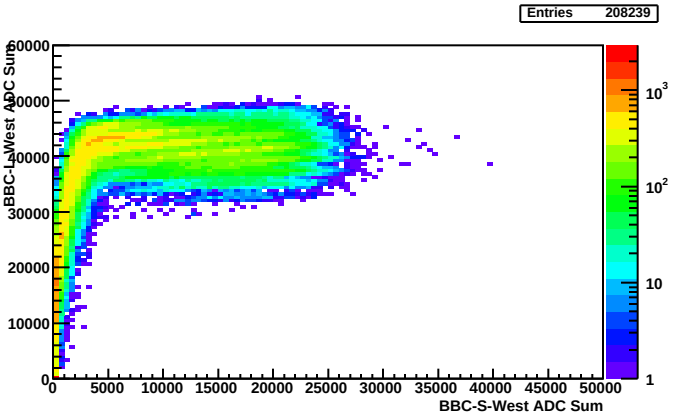

Entries 208239
TOF Mult
BBC-S-East ADC Sum

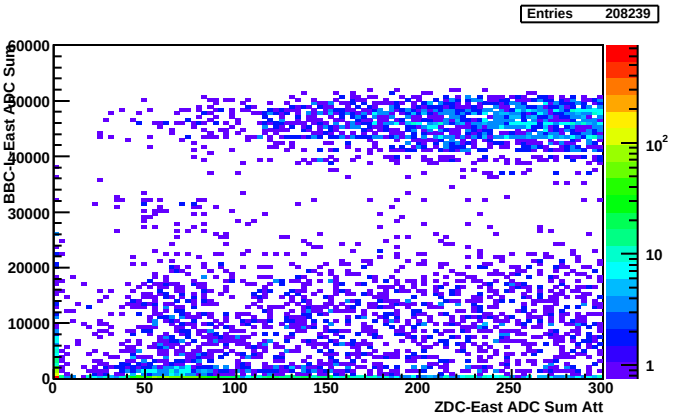

Entries 208239
TOF Mult
BBC-S-West ADC Sum

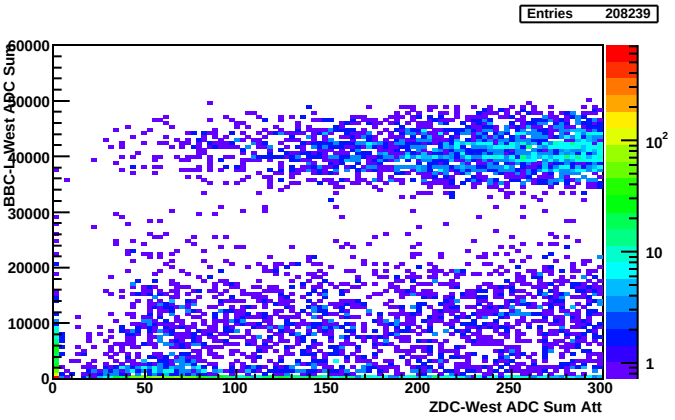

Entries 208239
TOF Mult
ZDC-East ADC Sum Att


Entries 208239
TOF Mult
ZDC-West ADC Sum Att


Entries 208239
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 208239
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 208239
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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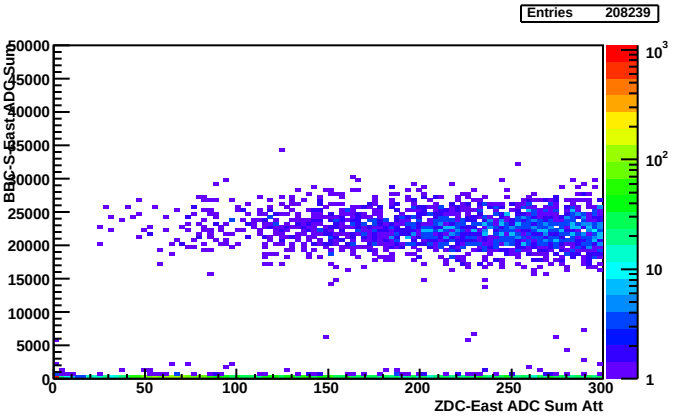
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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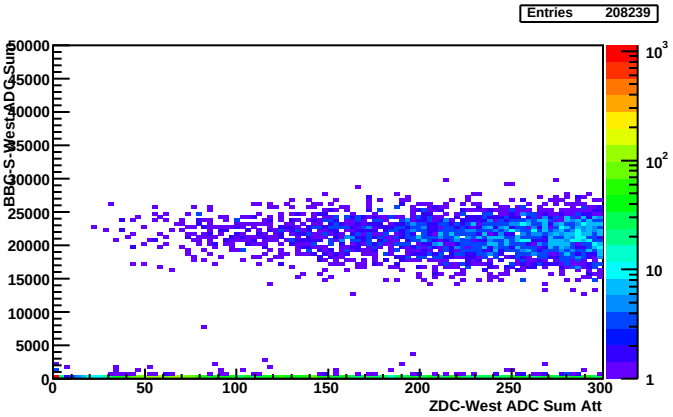
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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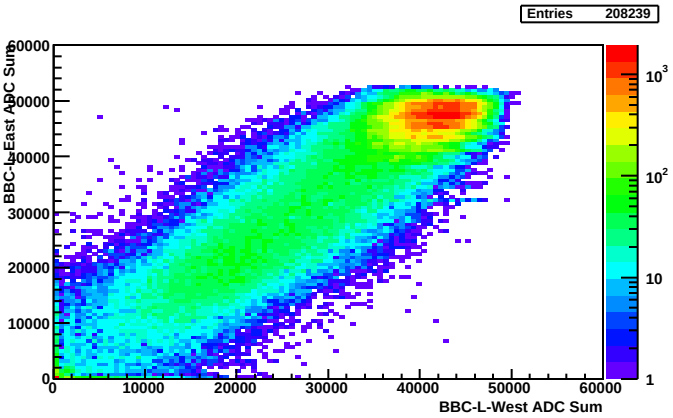
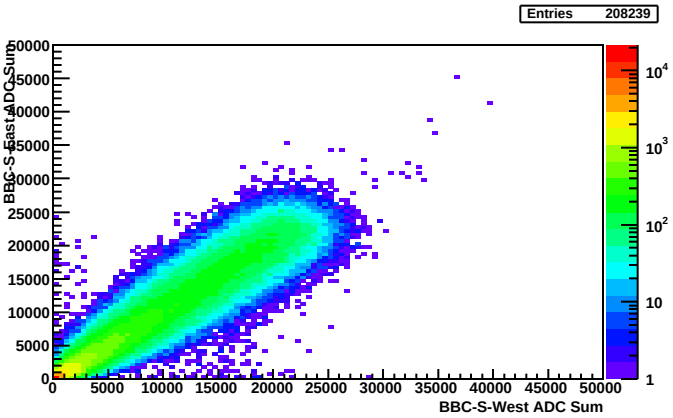
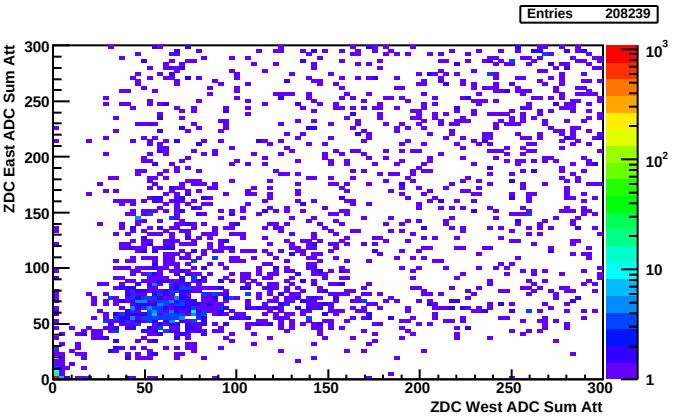
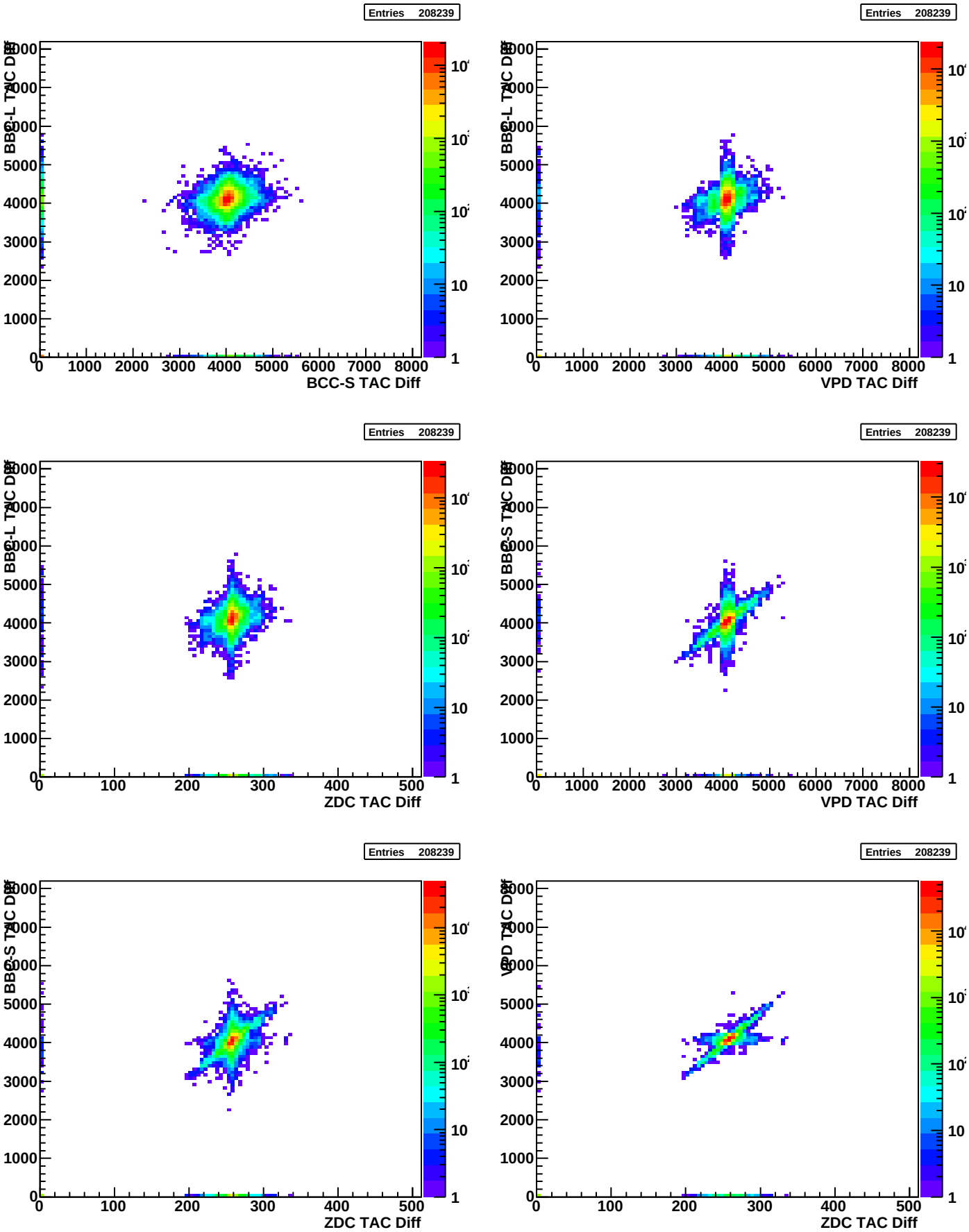
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 208239
BBC-L-East ADC Sum
BBC-L-West ADC Sum


Entries 208239
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 208239
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 208239
BBC-L TAC Diff
BCC-S TAC Diff
Entries 208239
BBC-L TAC Diff
VPD TAC Diff
Entries 208239
BBC-L TAC Diff
ZDC TAC Diff
Entries 208239
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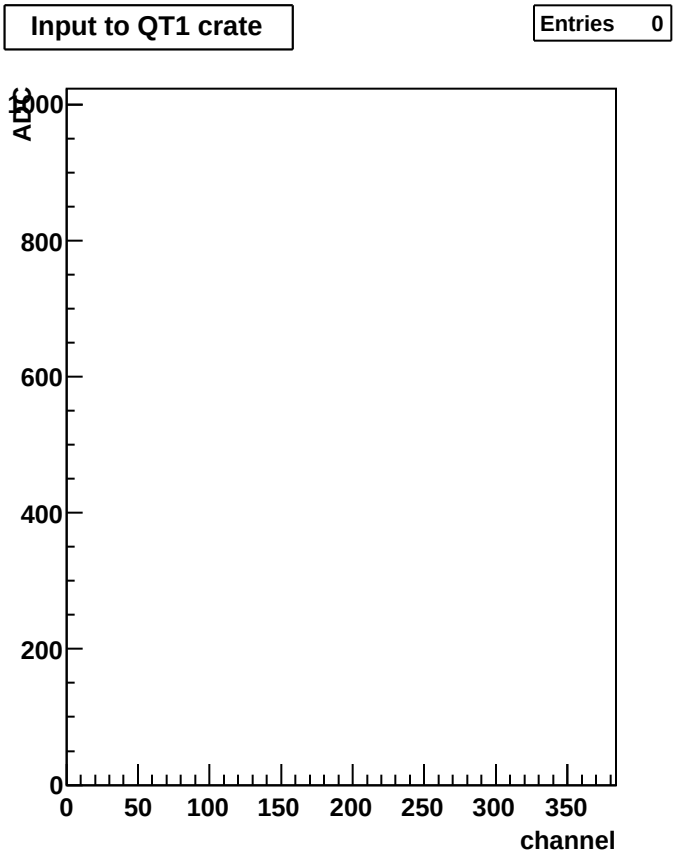
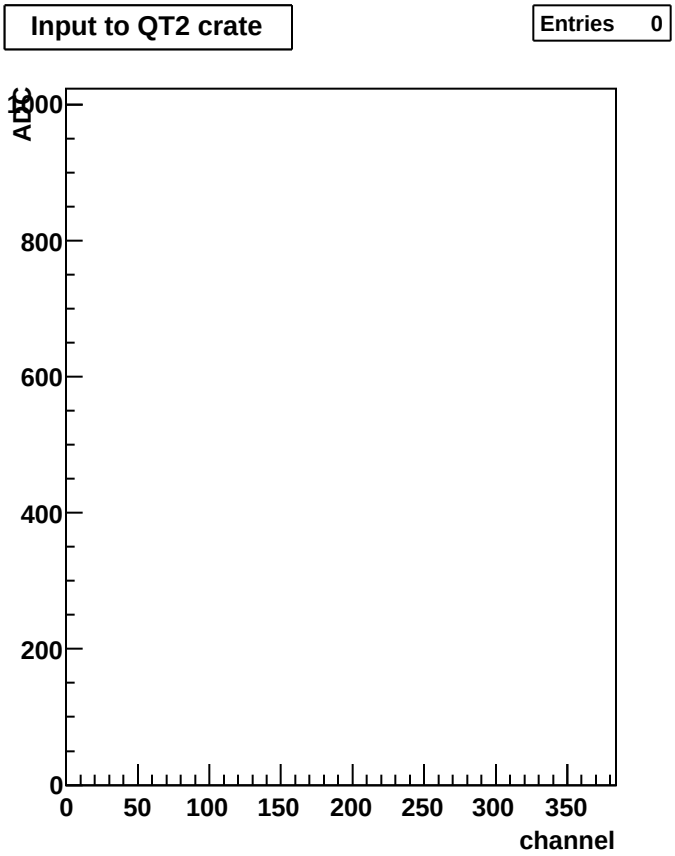
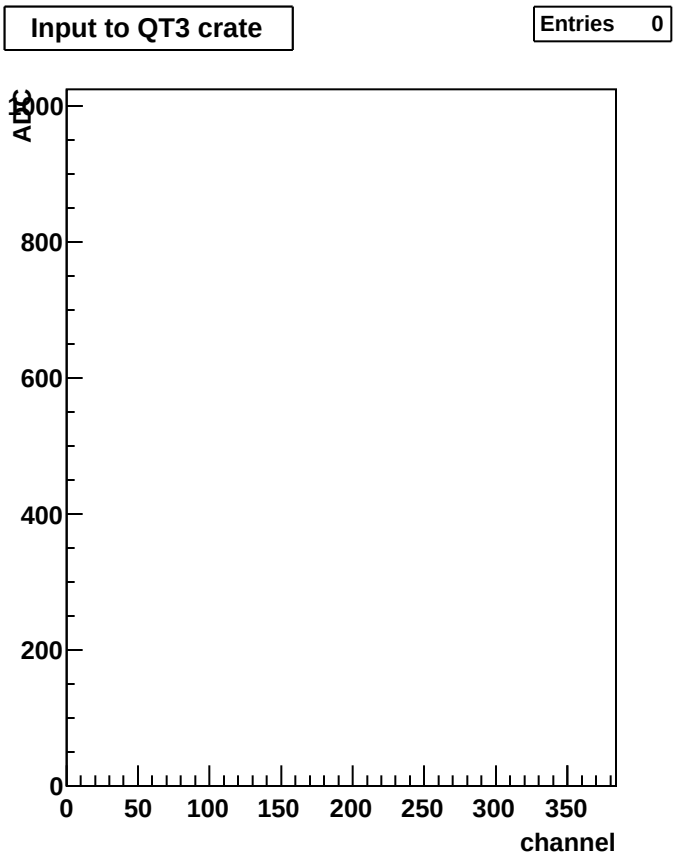
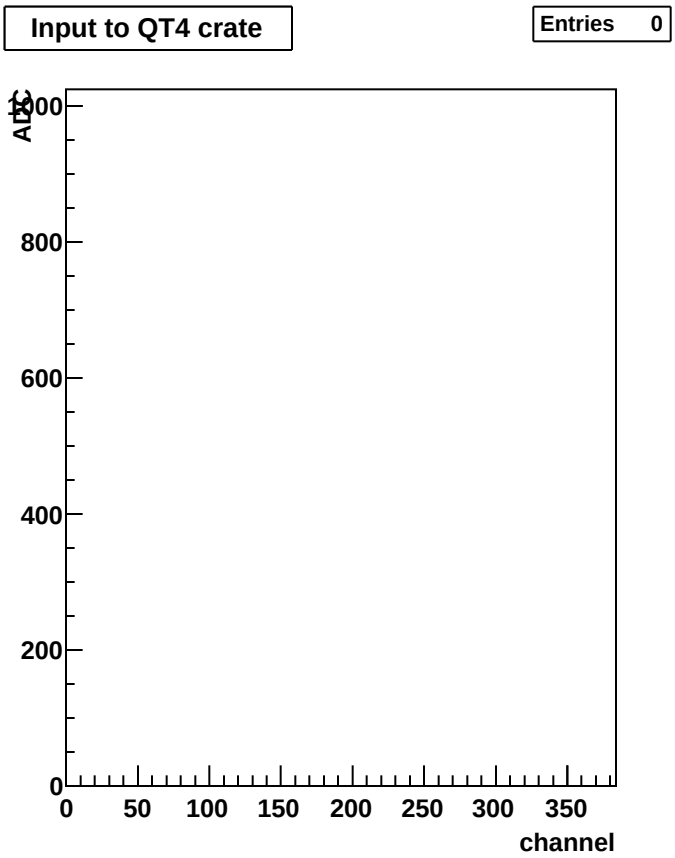
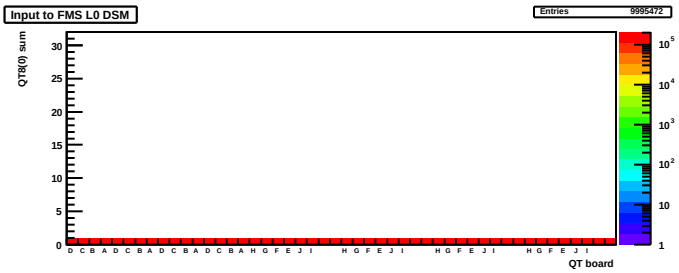
VPD TAC Diff
Entries 208239
BBC-S TAC Diff
ZDC TAC Diff
Entries 208239
VPD TAC Diff
ZDC TAC Diff

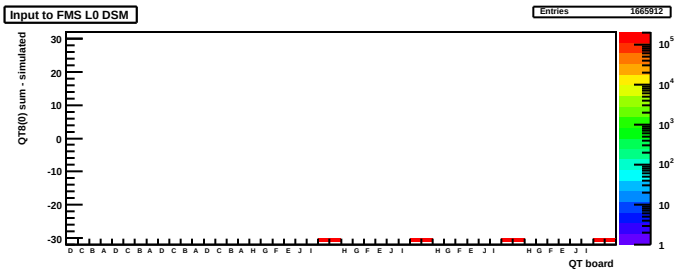

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

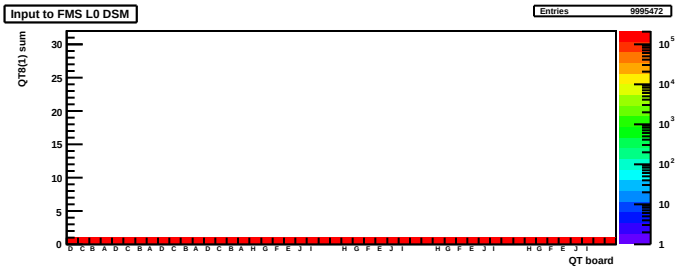

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

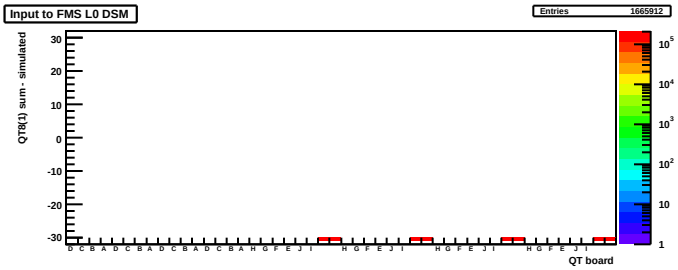

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

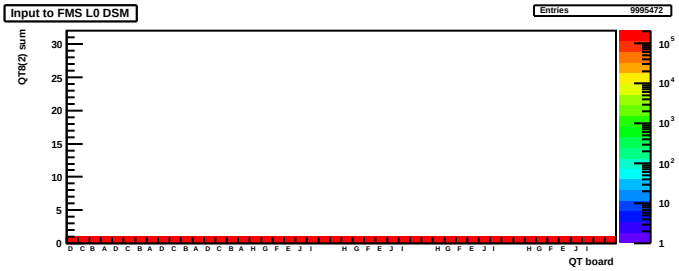

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

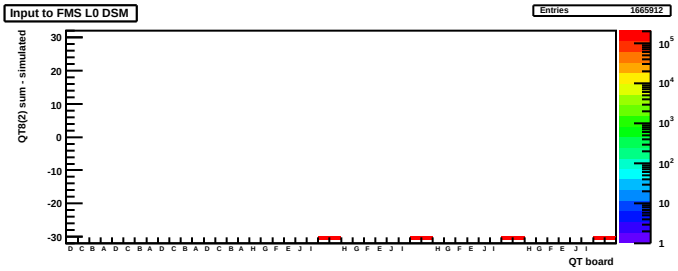

Input to FMS L0 DSM
Entries 9995472
QT8(0) sum
QT board

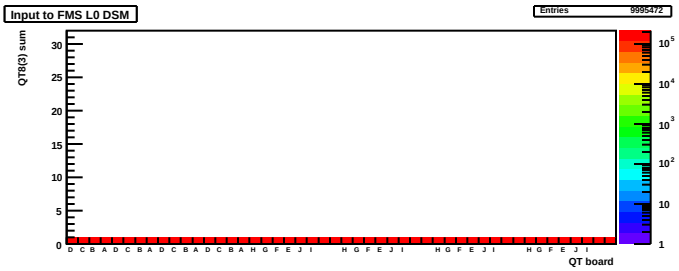

Input to FMS L0 DSM
Entries 1665912
QT8(0) sum - simulated
QT board

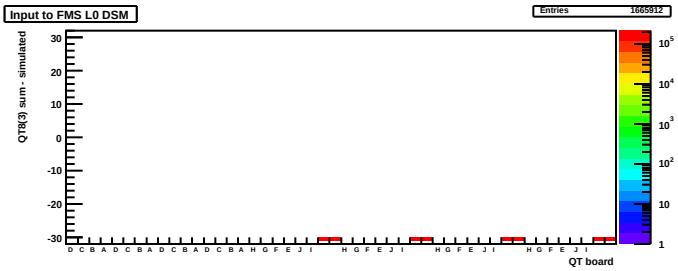

Input to FMS L0 DSM
Entries 9995472
QT8(1) sum
QT board

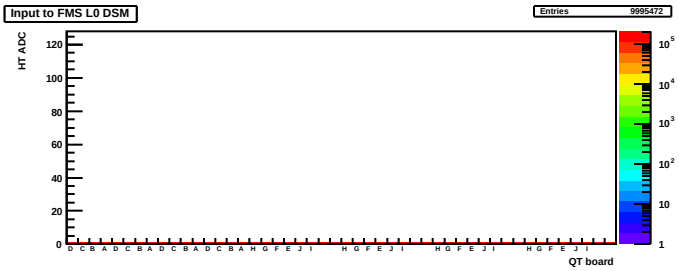

Input to FMS L0 DSM
Entries 1665912
QT8(1) sum - simulated
QT board

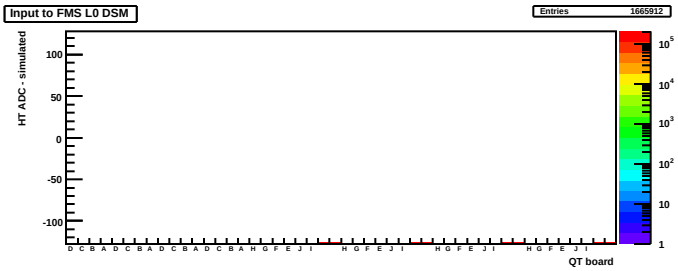

Input to FMS L0 DSM
Entries 9995472
QT8(2) sum
QT board

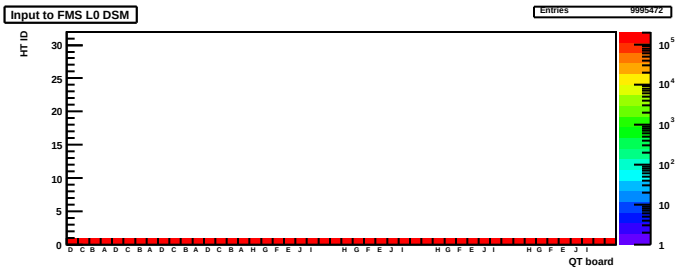

Input to FMS L0 DSM
Entries 1665912
QT8(2) sum - simulated
QT board

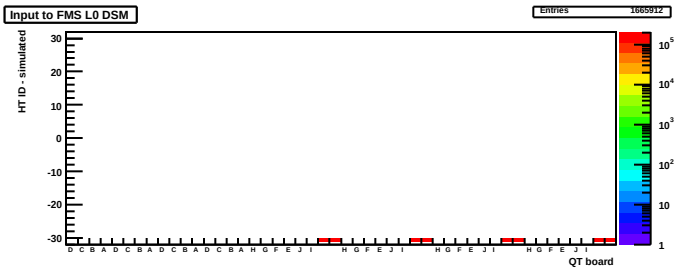

Input to FMS L0 DSM
Entries 9995472
QT8(3) sum
QT board

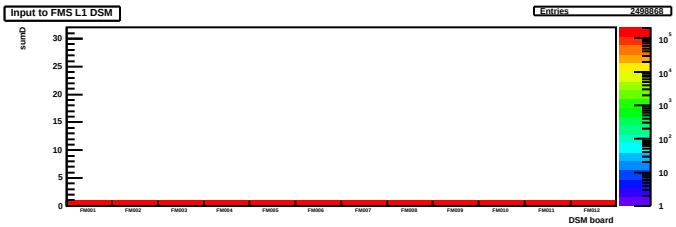

Input to FMS L0 DSM
Entries 1665912
QT8(3) sum - simulated
QT board

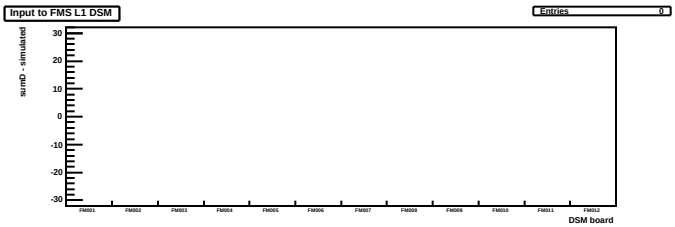

Input to FMS L0 DSM
Entries 9995472
HT ADC
QT board

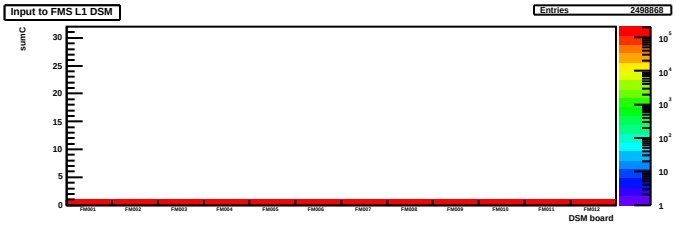

Input to FMS L0 DSM
Entries 1665912
HT ADC - simulated
QT board

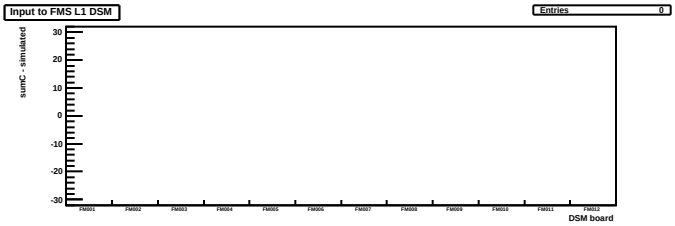

Input to FMS L0 DSM
Entries 9995472
HT ID
QT board

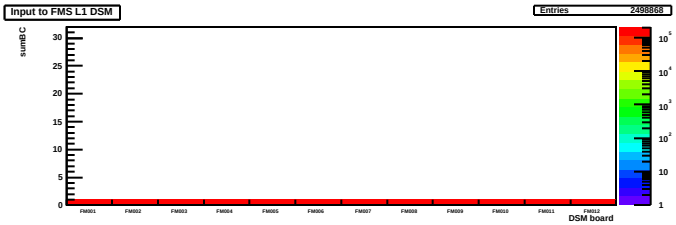

Input to FMS L0 DSM
Entries 1665912
HT ID - simulated
QT board

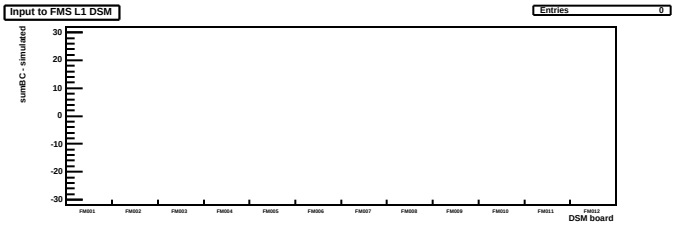

Input to FMS L1 DSM
Entries 2498868
sumD
DSM board

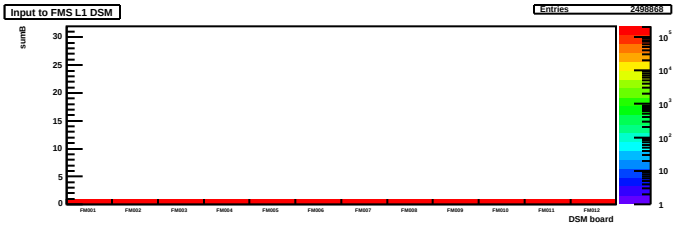

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

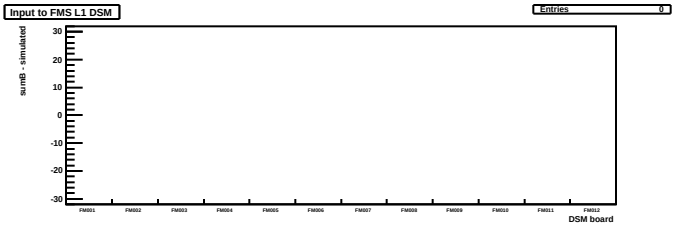

Input to FMS L1 DSM
Entries 2498868
sumC
DSM board

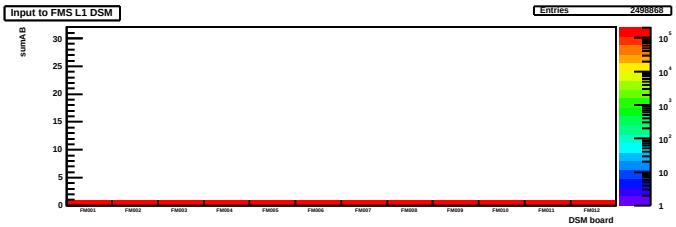

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

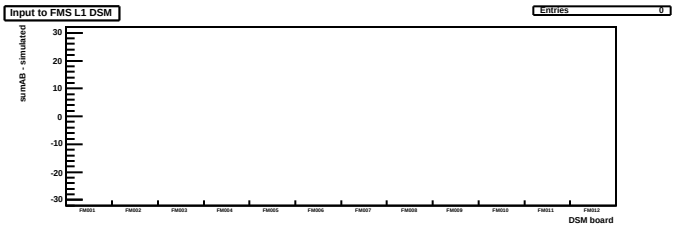

Input to FMS L1 DSM
Entries 2498868
sumBC
DSM board

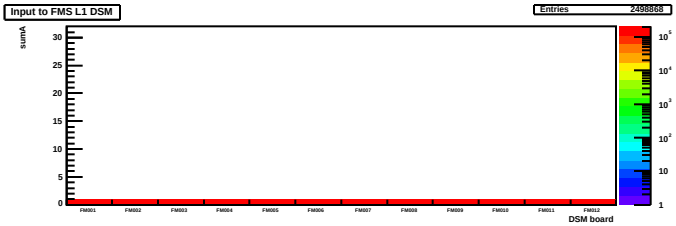

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

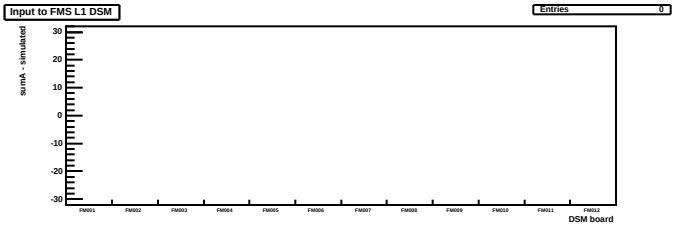

Input to FMS L1 DSM
Entries 2498868
sumB
DSM board

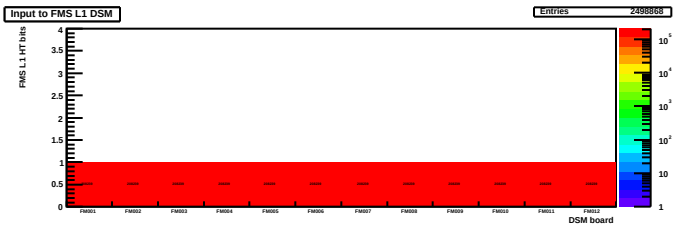

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

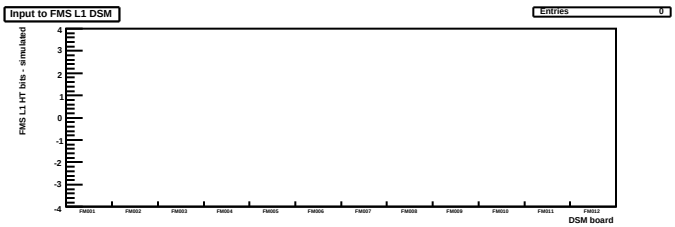

Input to FMS L1 DSM
Entries 2498868
sumAB
DSM board

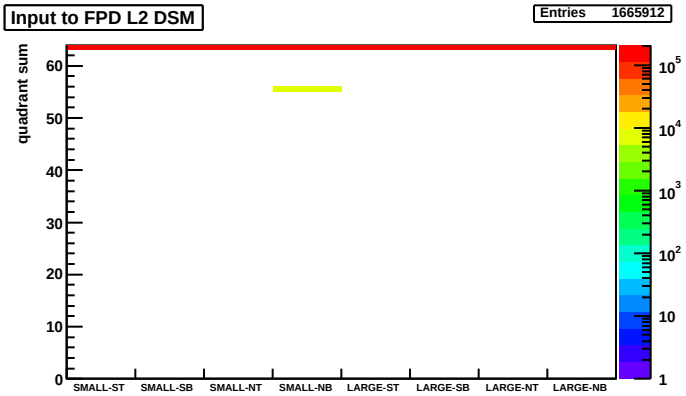

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

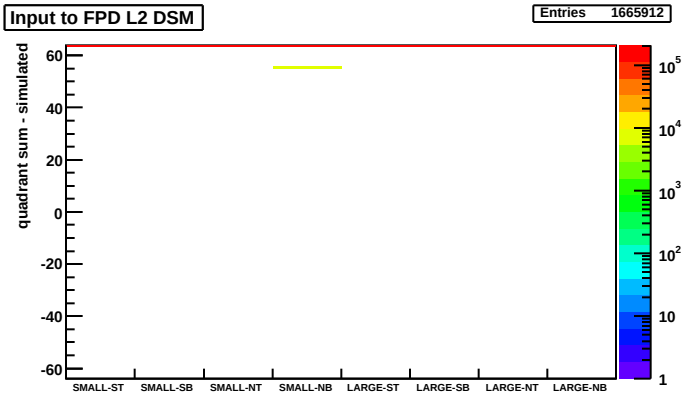

Input to FMS L1 DSM
Entries 2498868
sumA
DSM board

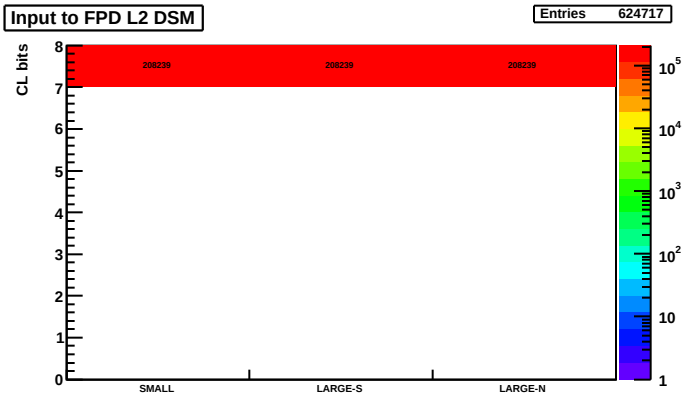

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

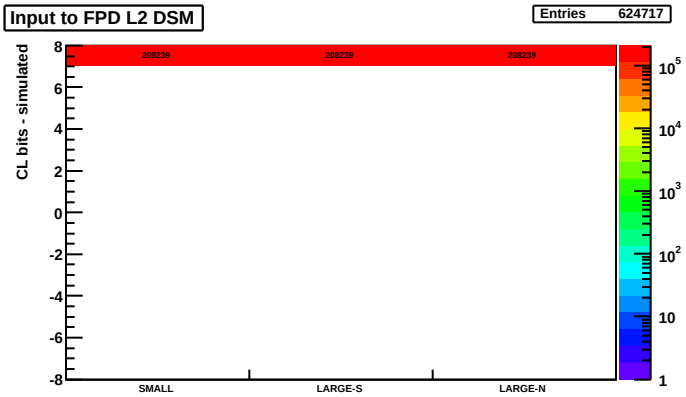

Input to FMS L1 DSM
Entries 2498868
FMS L1 HT bits
DSM board

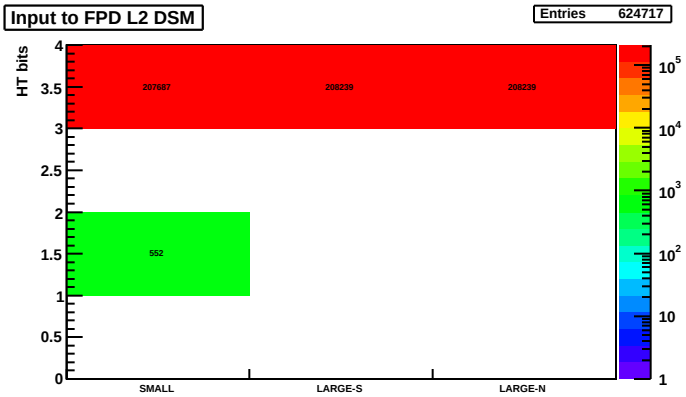

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

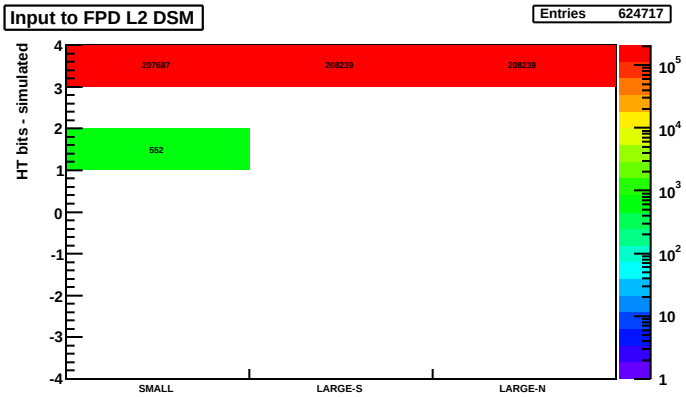

Input to FPD L2 DSM
Entries 1665912
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

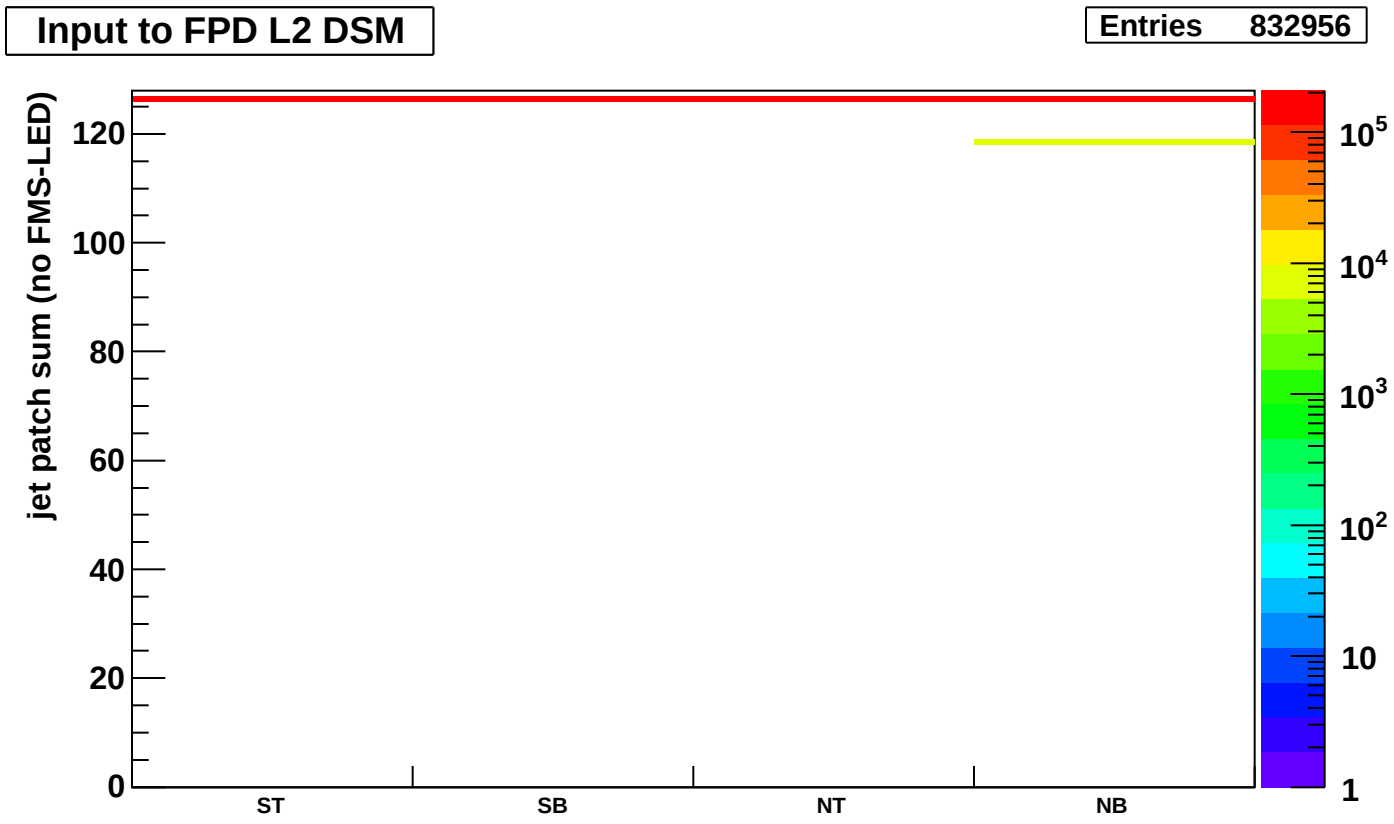

Input to FPD L2 DSM
Entries 1665912
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

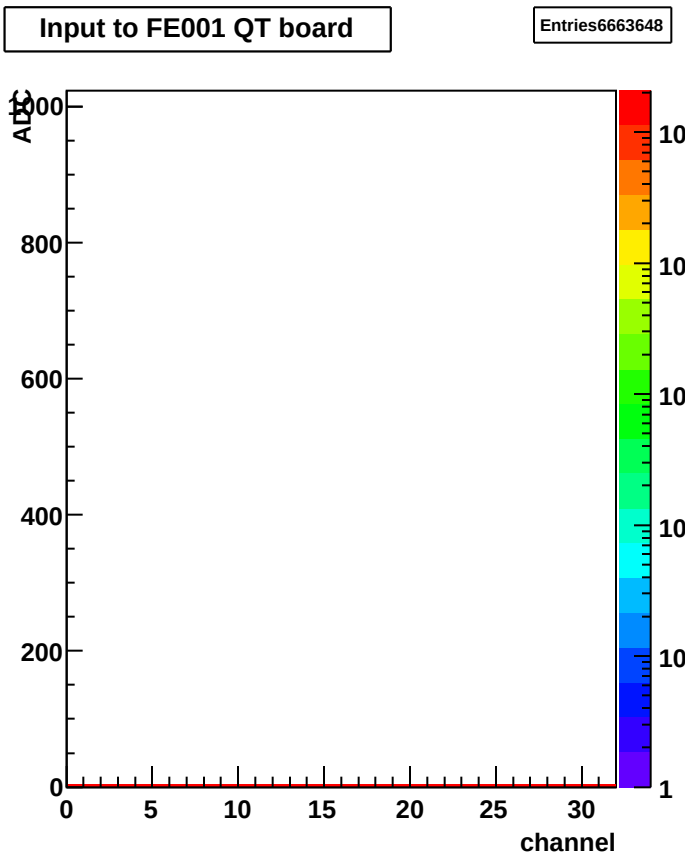

Input to FPD L2 DSM
Entries 624717
CL bits
208239
208239
208239
SMALL
LARGE-S
LARGE-N

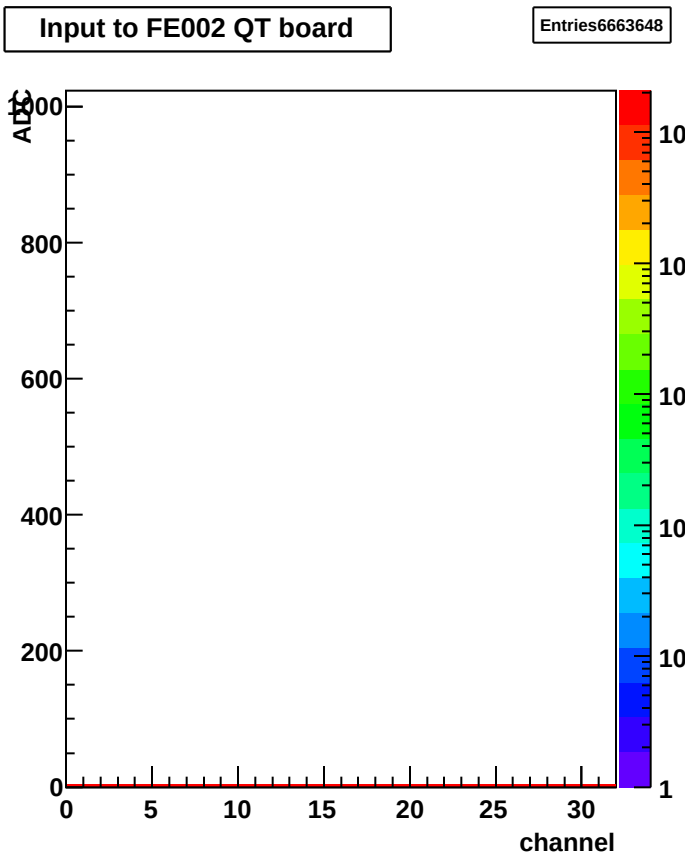

Input to FPD L2 DSM
Entries 624717
CL bits - simulated
208239
208239
208239
SMALL
LARGE-S
LARGE-N

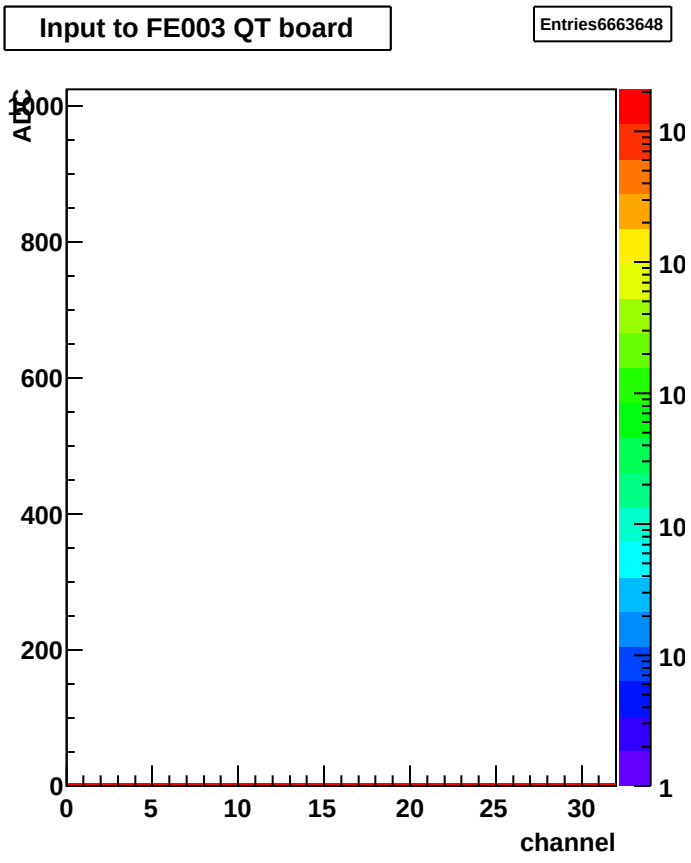

Input to FPD L2 DSM
Entries 624717
HT bits
207687
208239
208239
552
SMALL
LARGE-S
LARGE-N

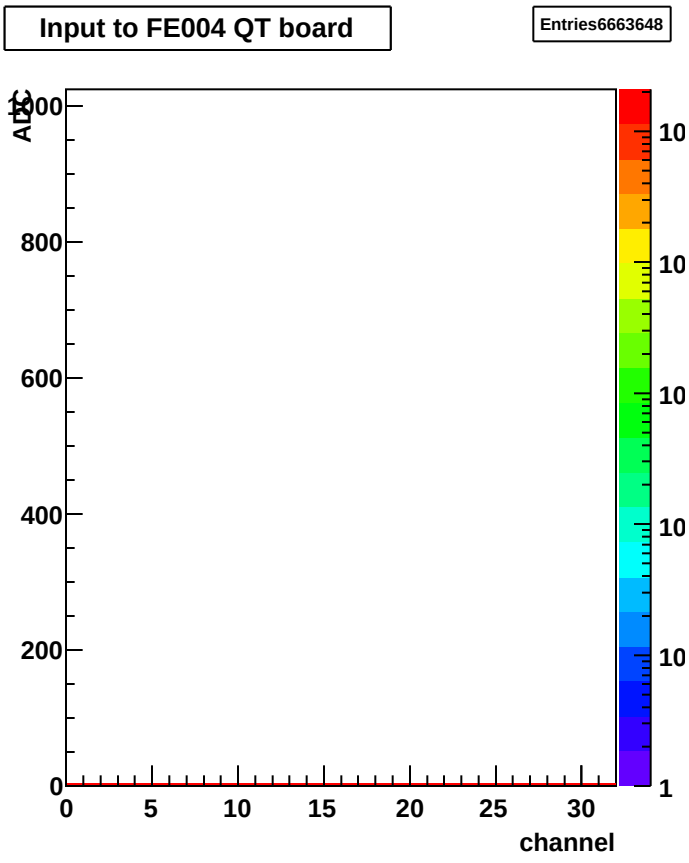

Input to FPD L2 DSM
Entries 624717
HT bits - simulated
207687
208239
208239
552
SMALL
LARGE-S
LARGE-N

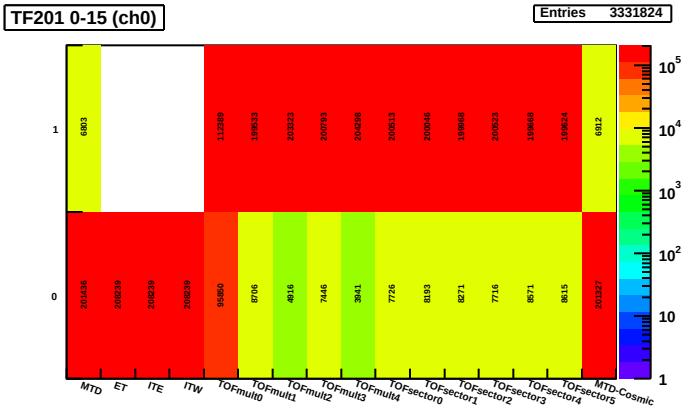

Input to FPD L2 DSM
Entries 832956
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

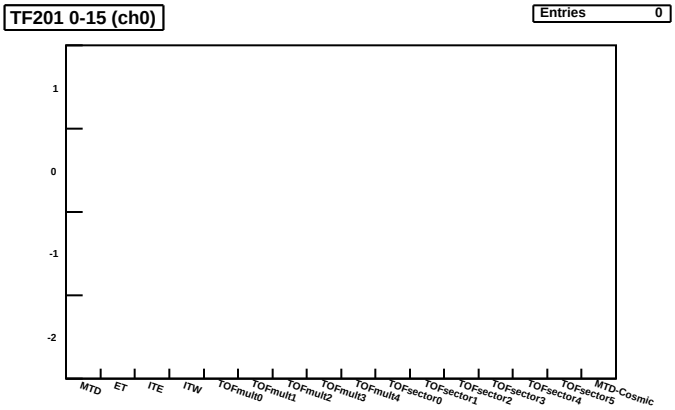

Input to FE001 QT board
Entries6663648
ADC
channel

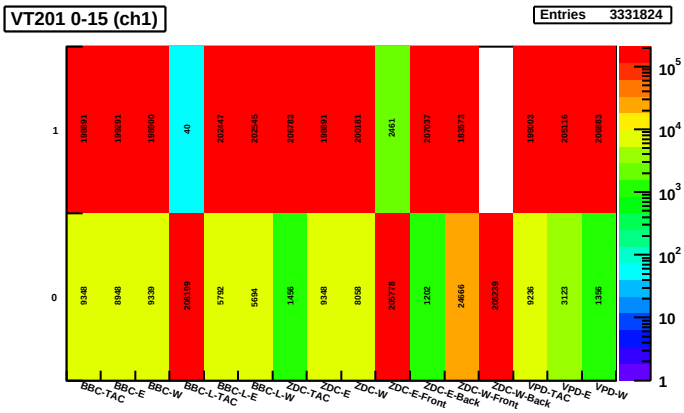

Input to FE002 QT board
Entries6663648
ADC
channel

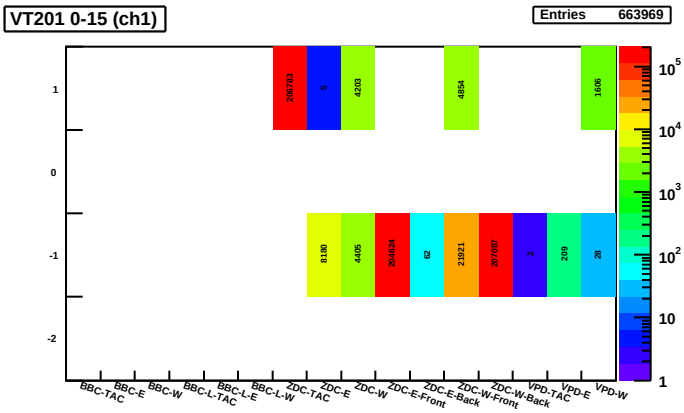

Input to FE003 QT board
Entries6663648
ADC
channel

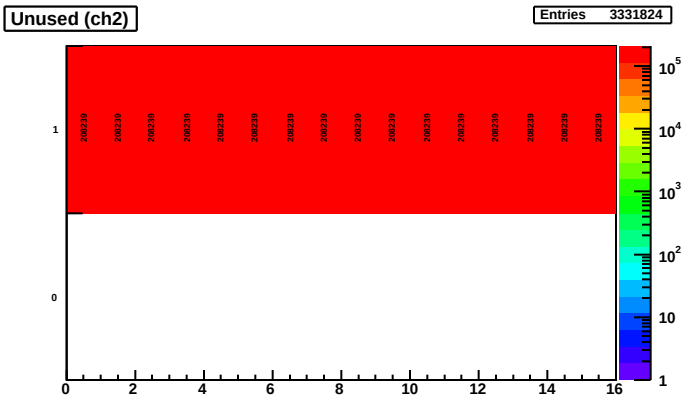

Input to FE004 QT board
Entries6663648
ADC
channel

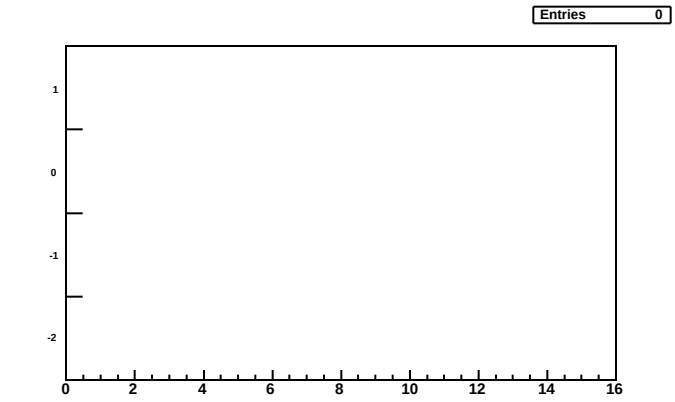

TF201 0-15 (ch0)
Entries 3331824
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

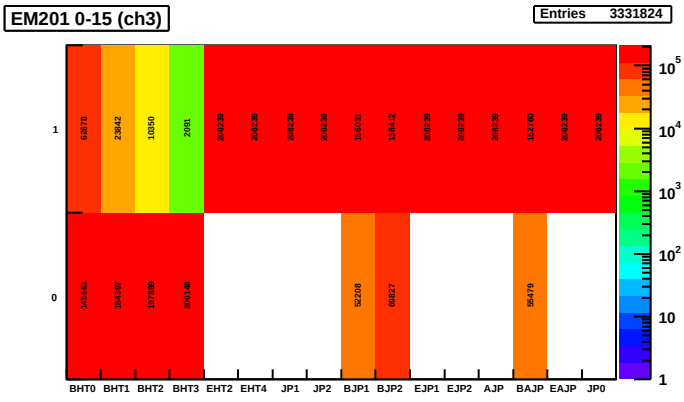

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

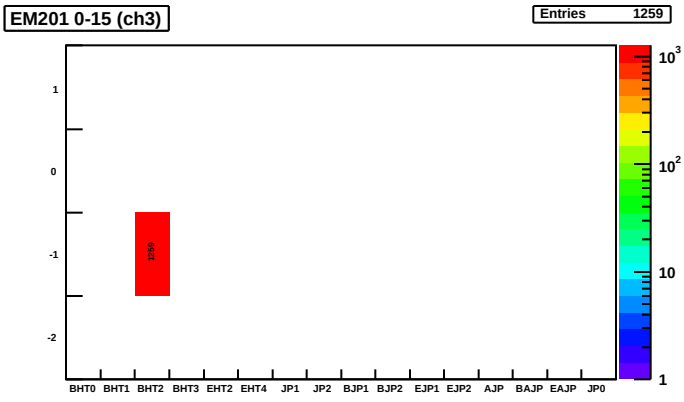

VT201 0-15 (ch1)
Entries 3331824
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 663969
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

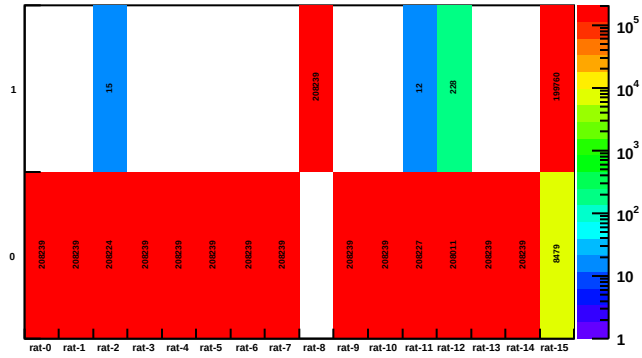

Unused (ch2)
Entries 3331824

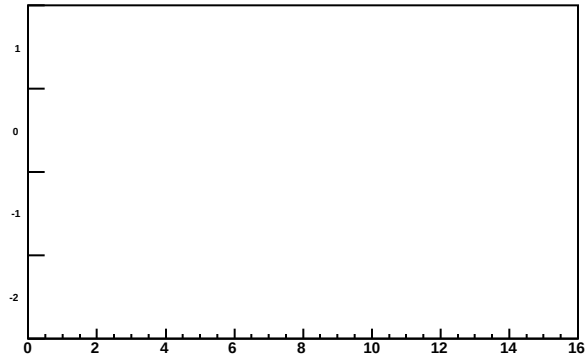

Entries 0


EM201 0-15 (ch3)
Entries 3331824
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

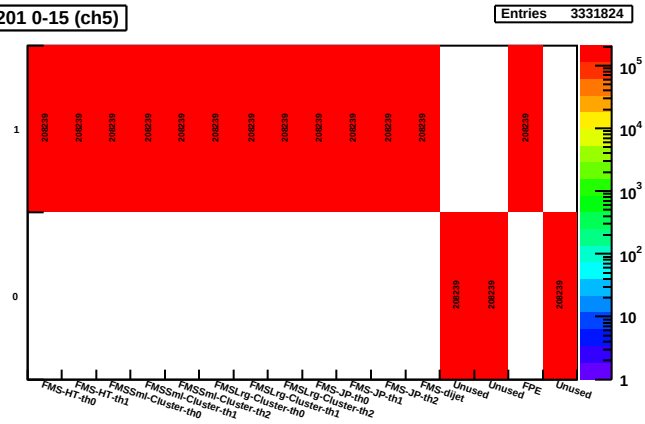

EM201 0-15 (ch3)
Entries 1259
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

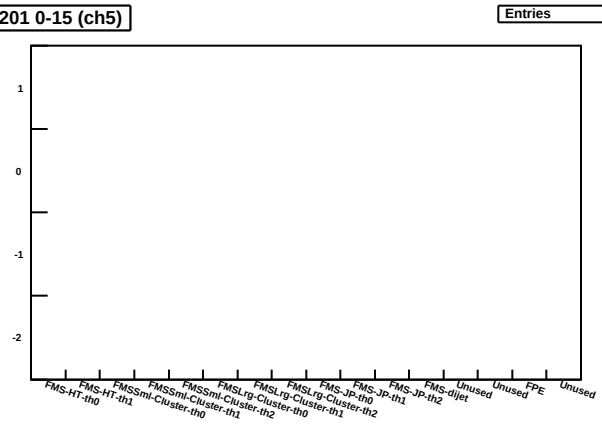




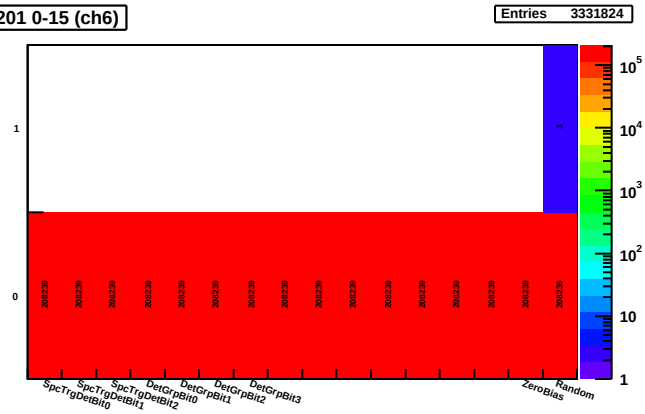
FP201 0-15 (ch5)

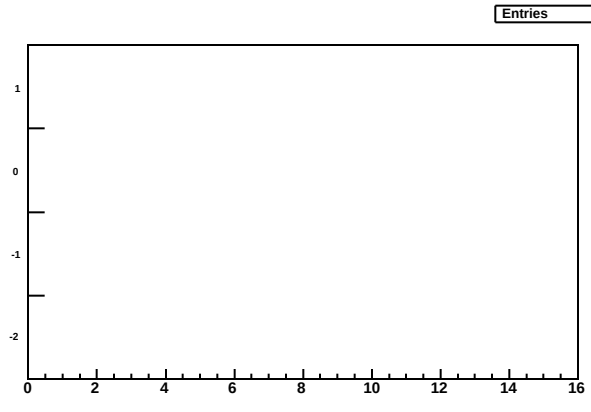
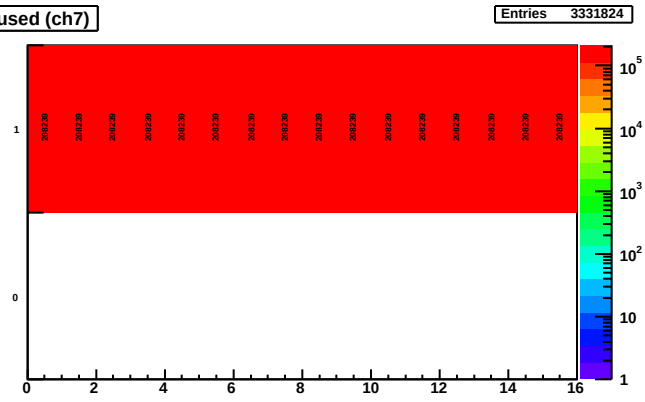
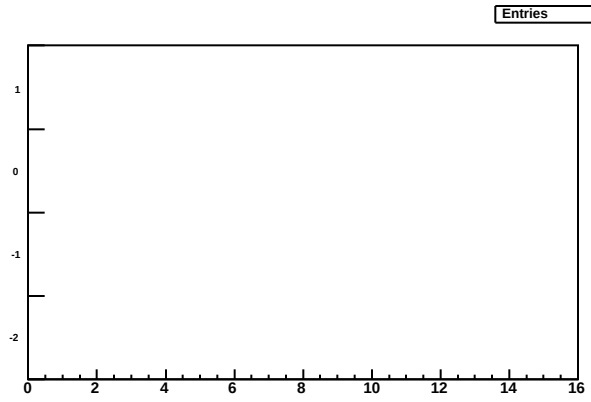


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)