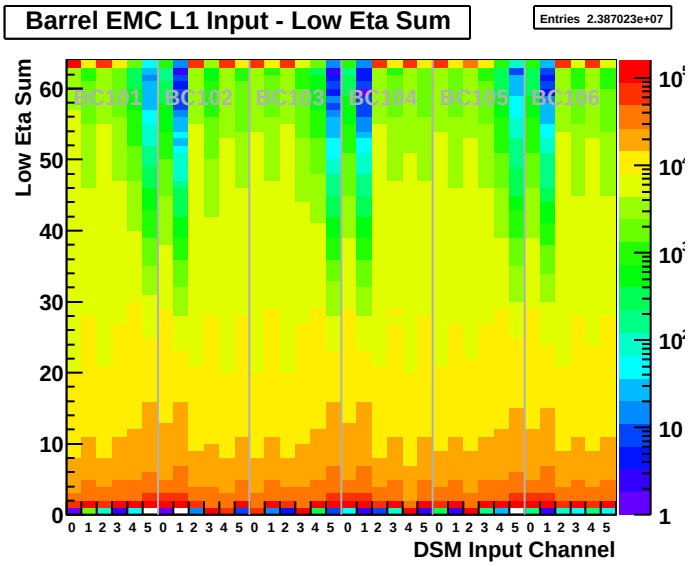
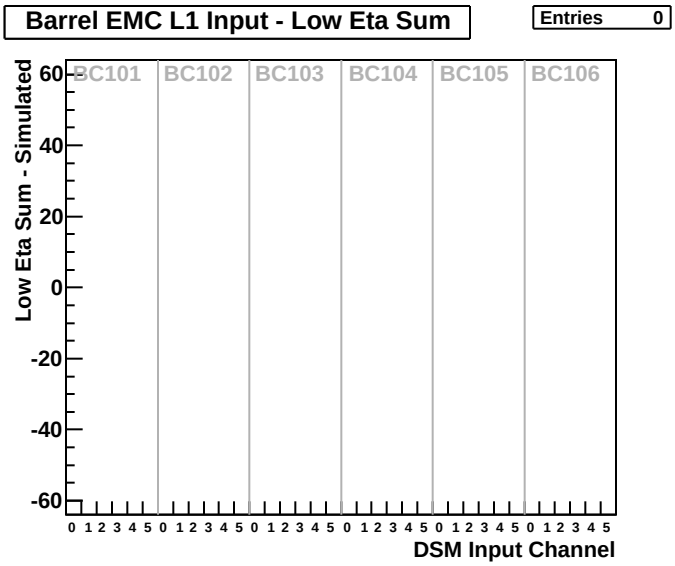
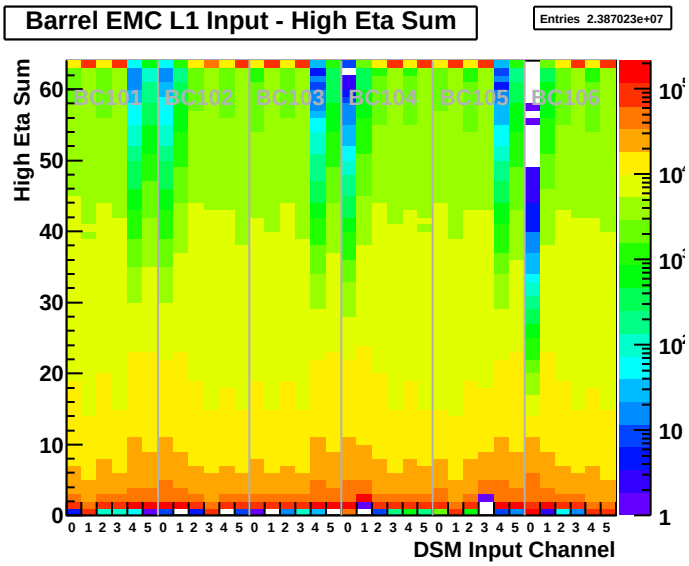
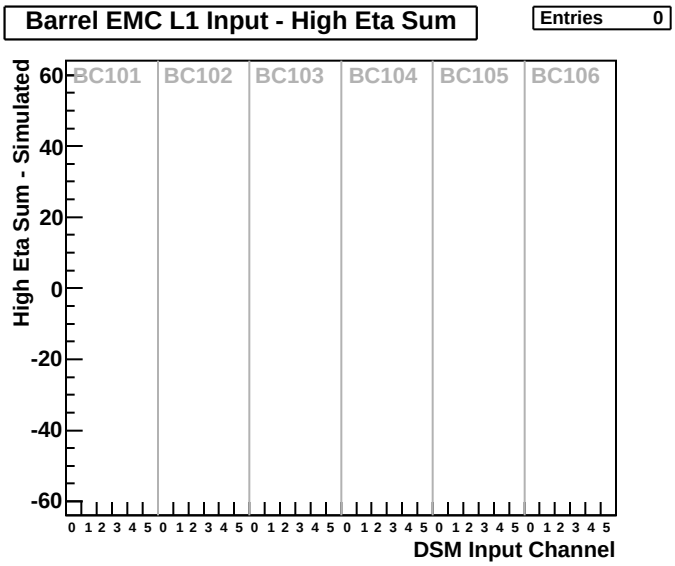
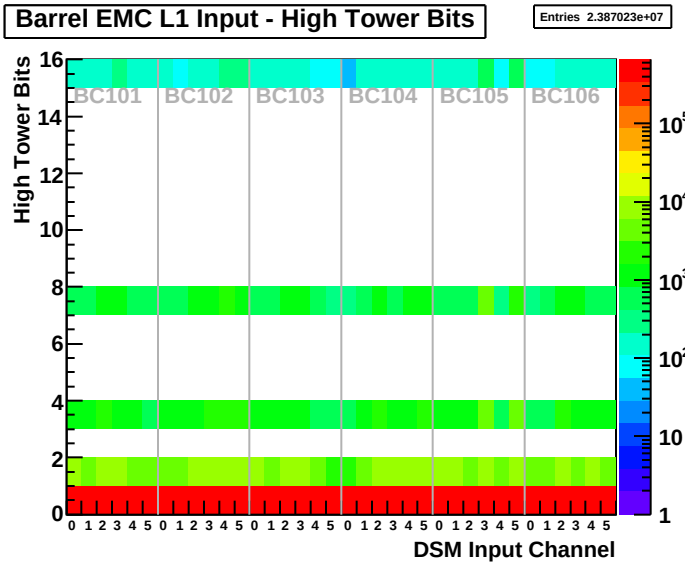
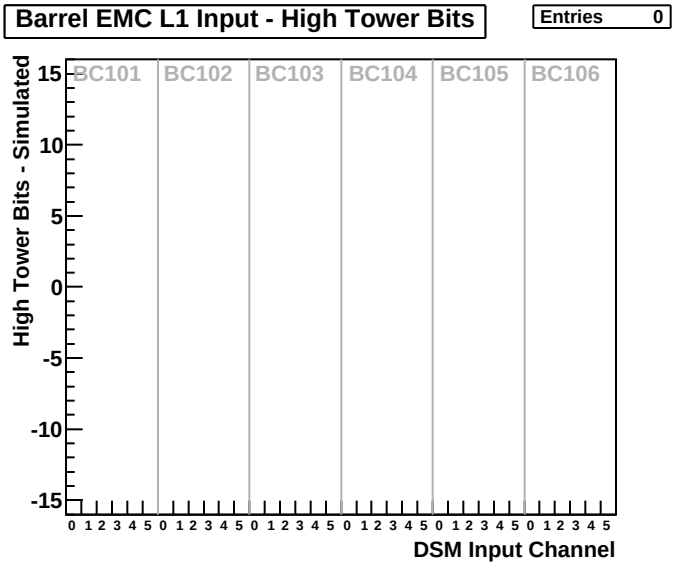

Barrel EMC L1 Input - Low Eta Sum
Entries 2.387023e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

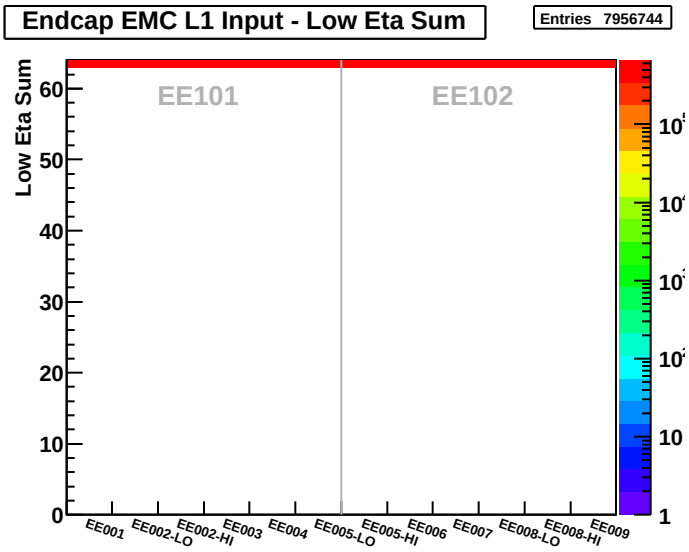

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

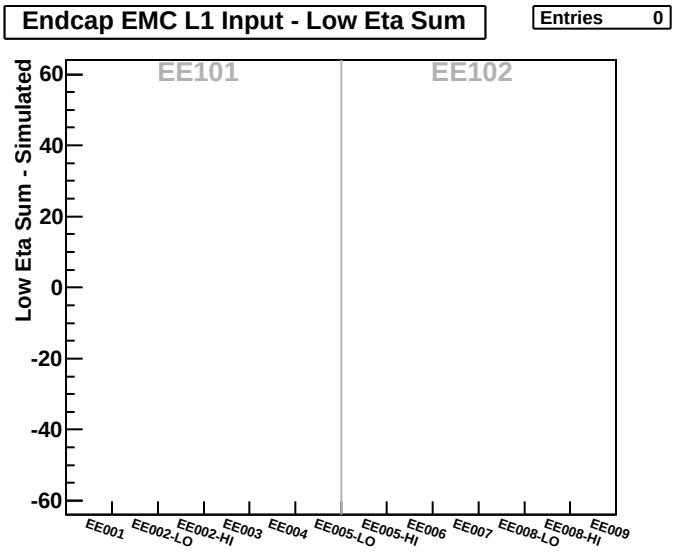

Barrel EMC L1 Input - High Eta Sum
Entries 2.387023e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

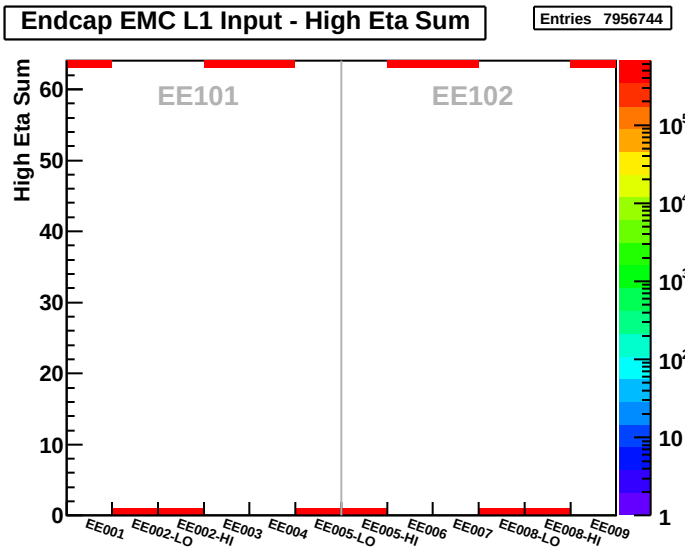

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

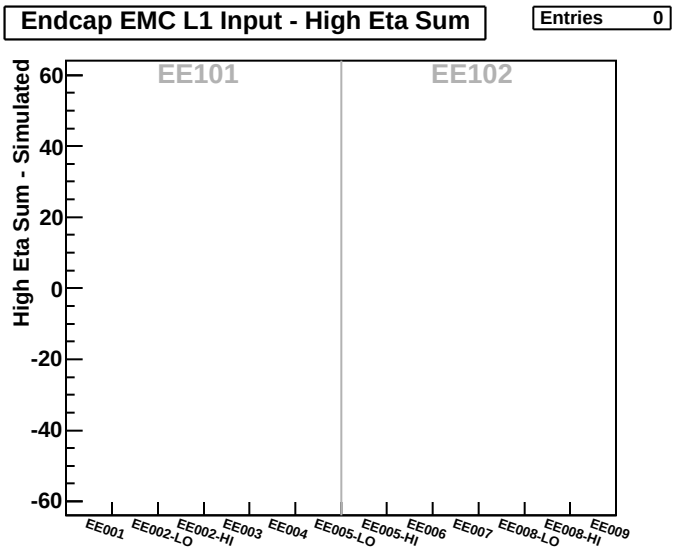

Barrel EMC L1 Input - High Tower Bits
Entries 2.387023e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

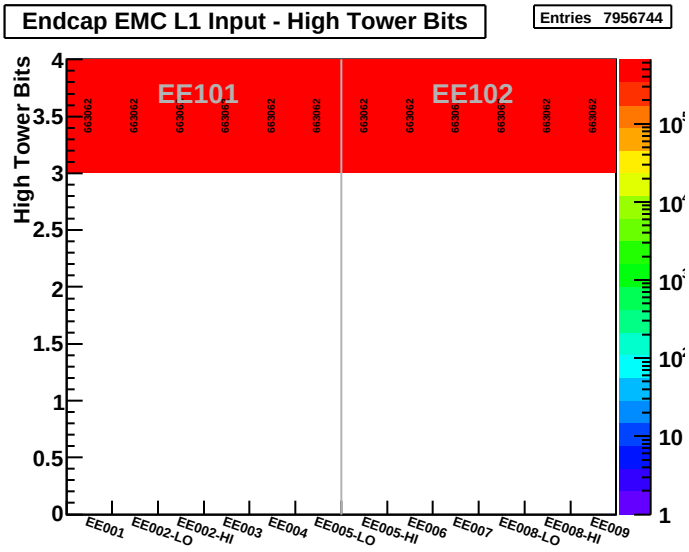

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

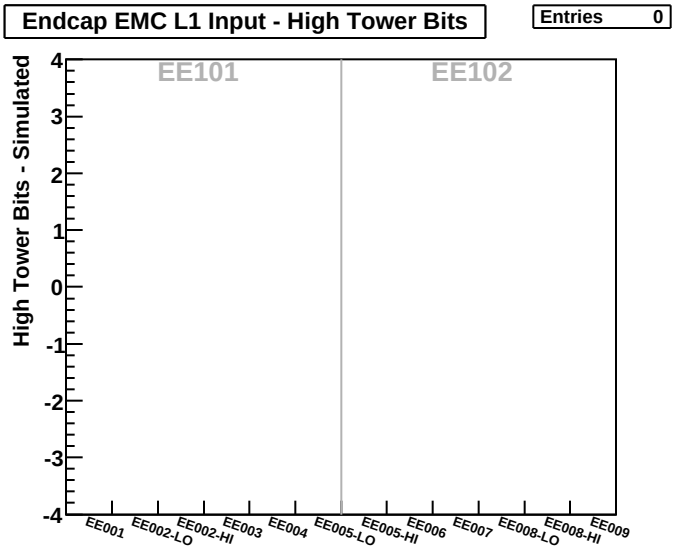

Endcap EMC L1 Input - Low Eta Sum
Entries 7956744
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

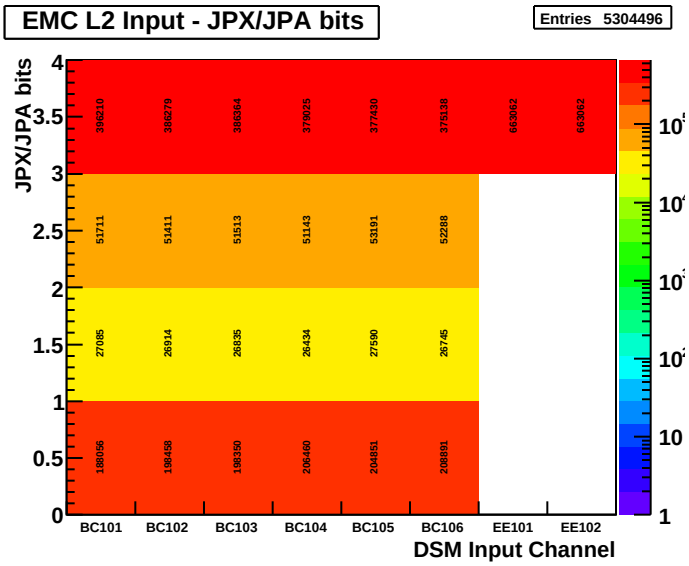

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

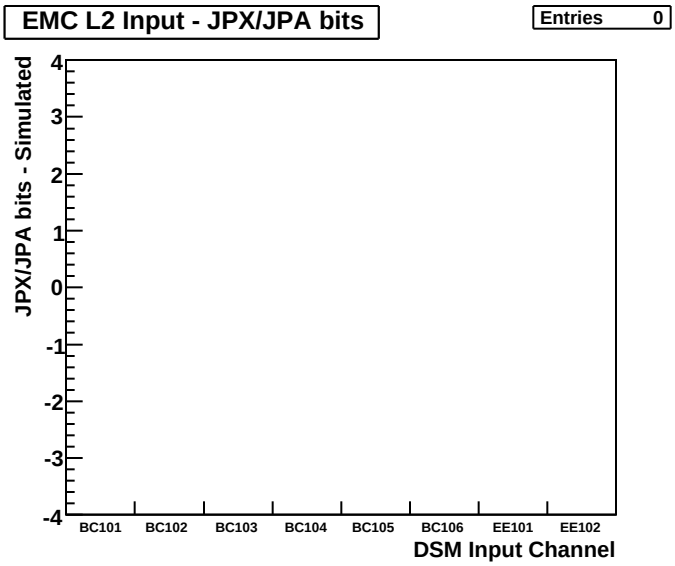

Endcap EMC L1 Input - High Eta Sum
Entries 7956744
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

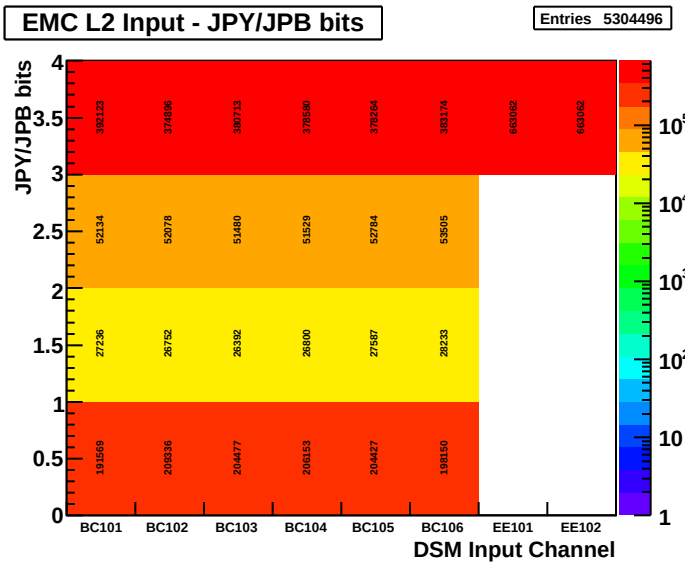

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

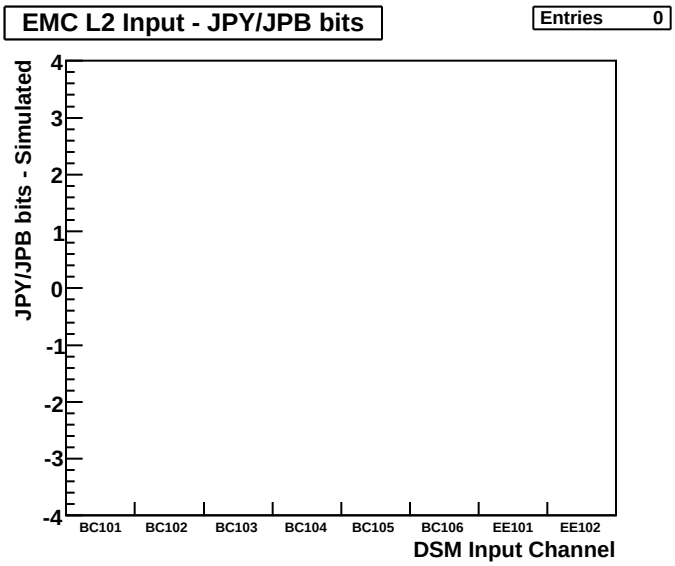

Endcap EMC L1 Input - High Tower Bits
Entries 7956744
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

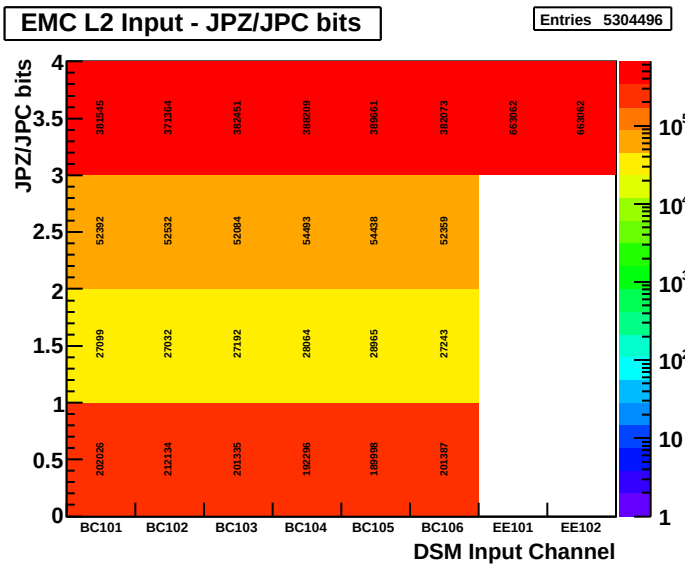

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

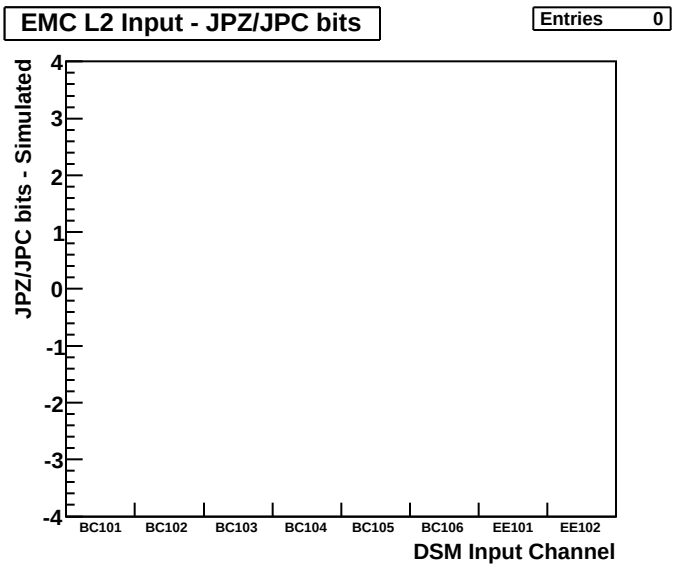

EMC L2 Input - JPX/JPA bits
Entries 5304496
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
396210 396279 396364 379025 377430 375138 663062 663062
51711 51411 51513 51143 53191 52288
27085 26914 26835 26434 27590 26745
188056 198458 198350 206460 204851 208891

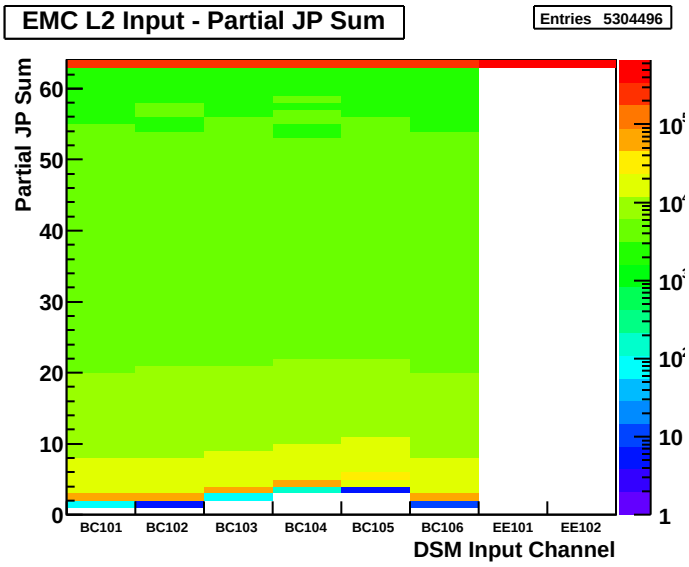

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

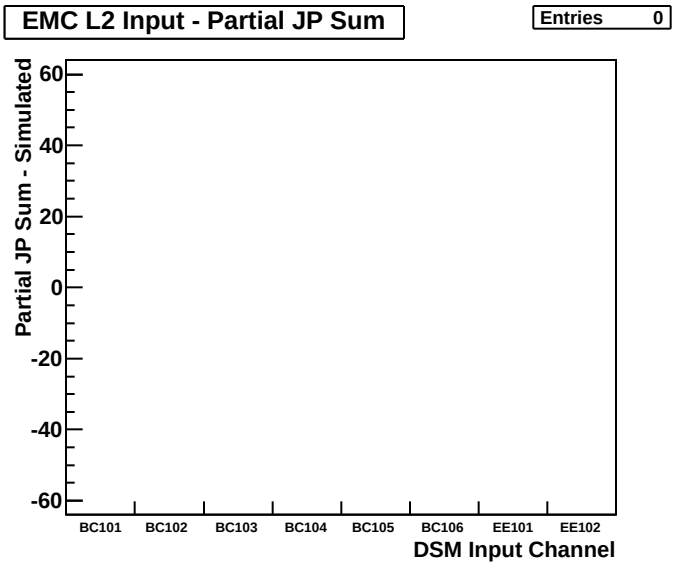

EMC L2 Input - JPY/JPB bits
Entries 5304496
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
392123 374896 380713 378580 378264 383174 663062 663062
52134 52078 51480 51529 52784 53505
27236 26752 26392 26800 27587 28233
191569 209336 204477 206153 204427 198150

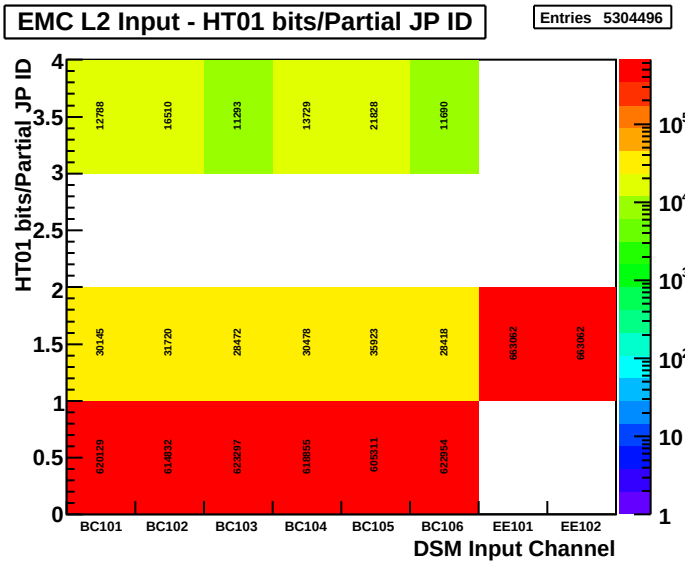

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

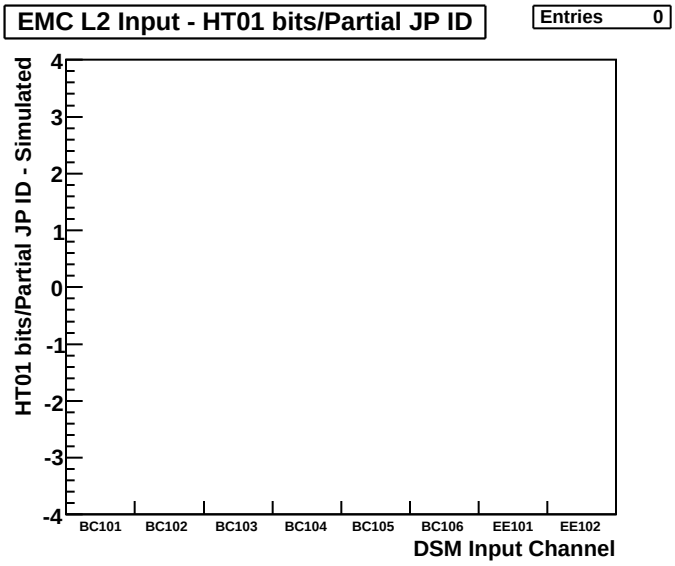

EMC L2 Input - JPZ/JPC bits
Entries 5304496
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
381545 371364 382451 382209 389661 382073 663062 663062
52392 52532 52084 54493 54438 52359
27099 27032 27192 28064 28965 27243
202026 212134 201335 192296 189998 201387

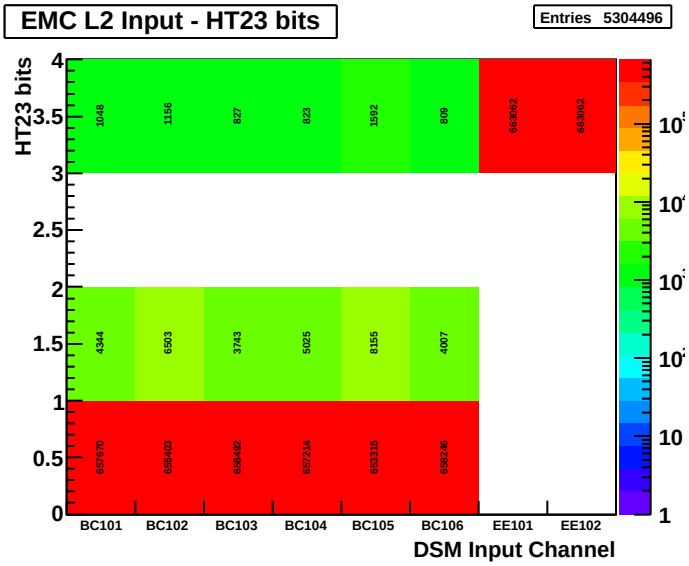

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

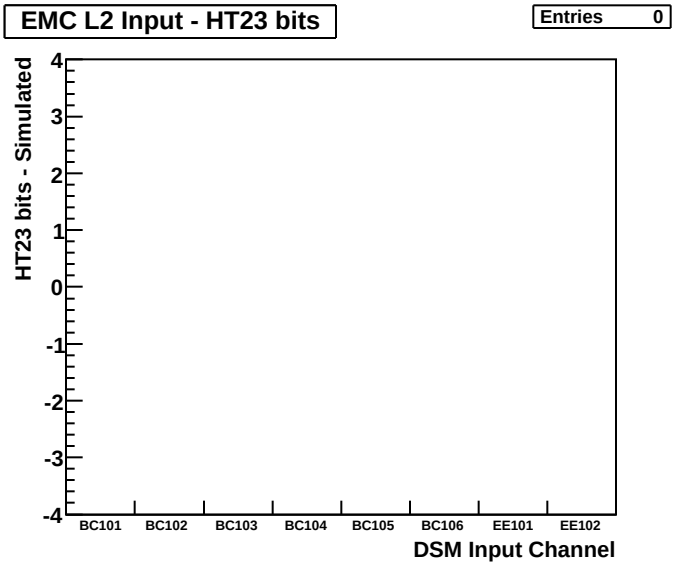

EMC L2 Input - Partial JP Sum
Entries 5304496
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

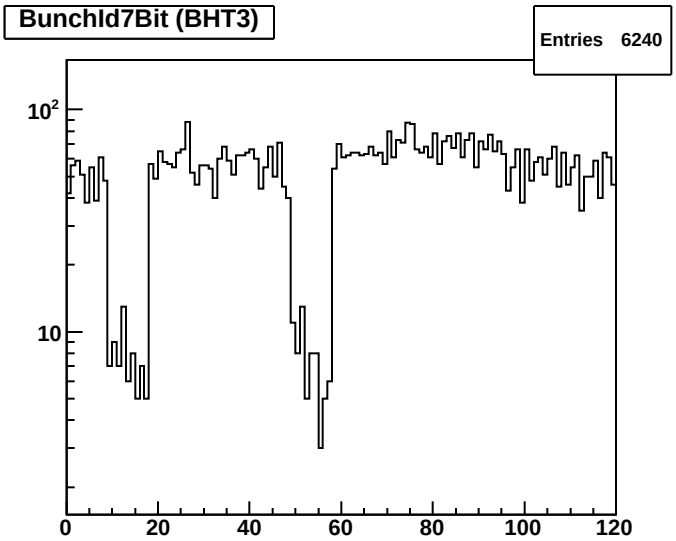

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

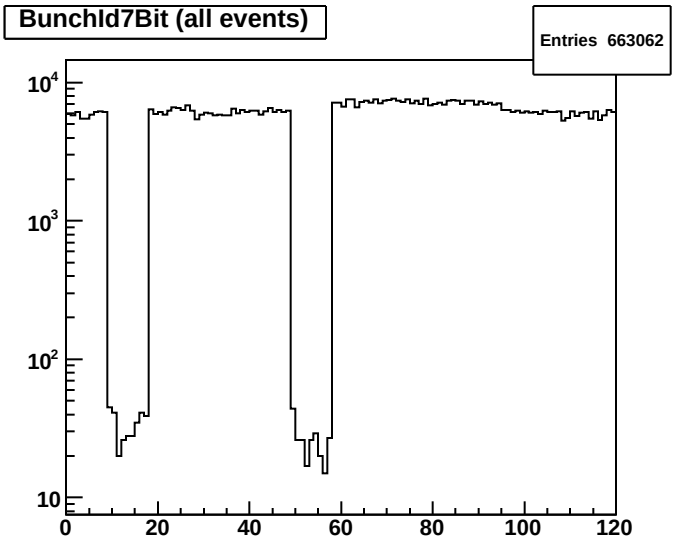

EMC L2 Input - HT01 bits/Partial JP ID
Entries 5304496
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

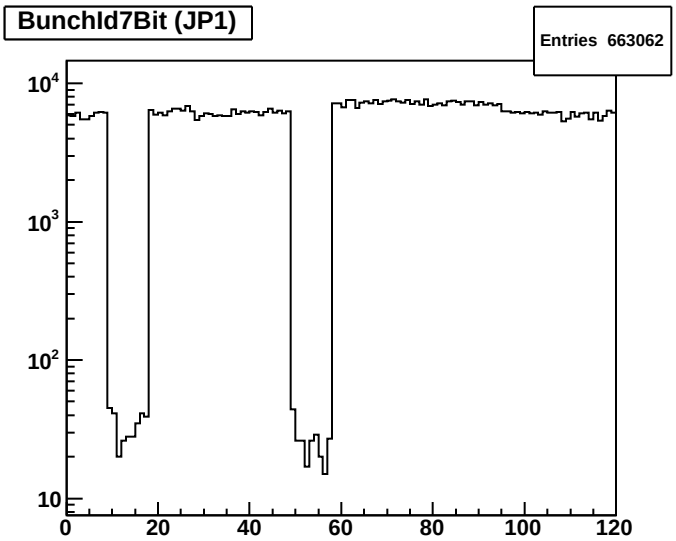

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

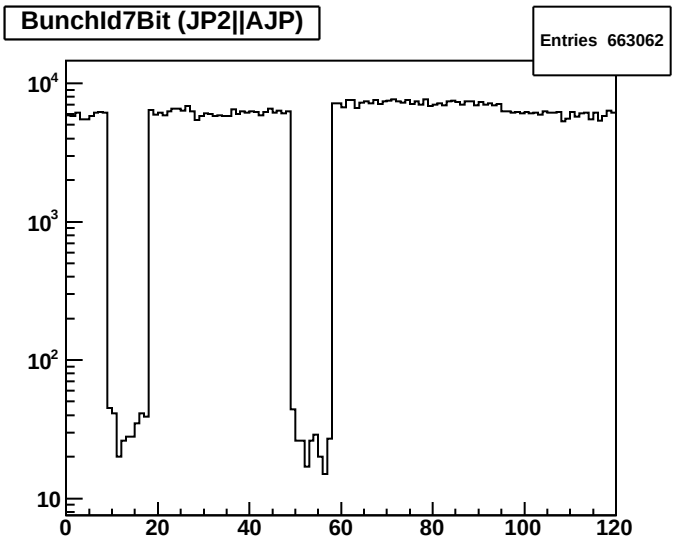

EMC L2 Input - HT23 bits
Entries 5304496
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

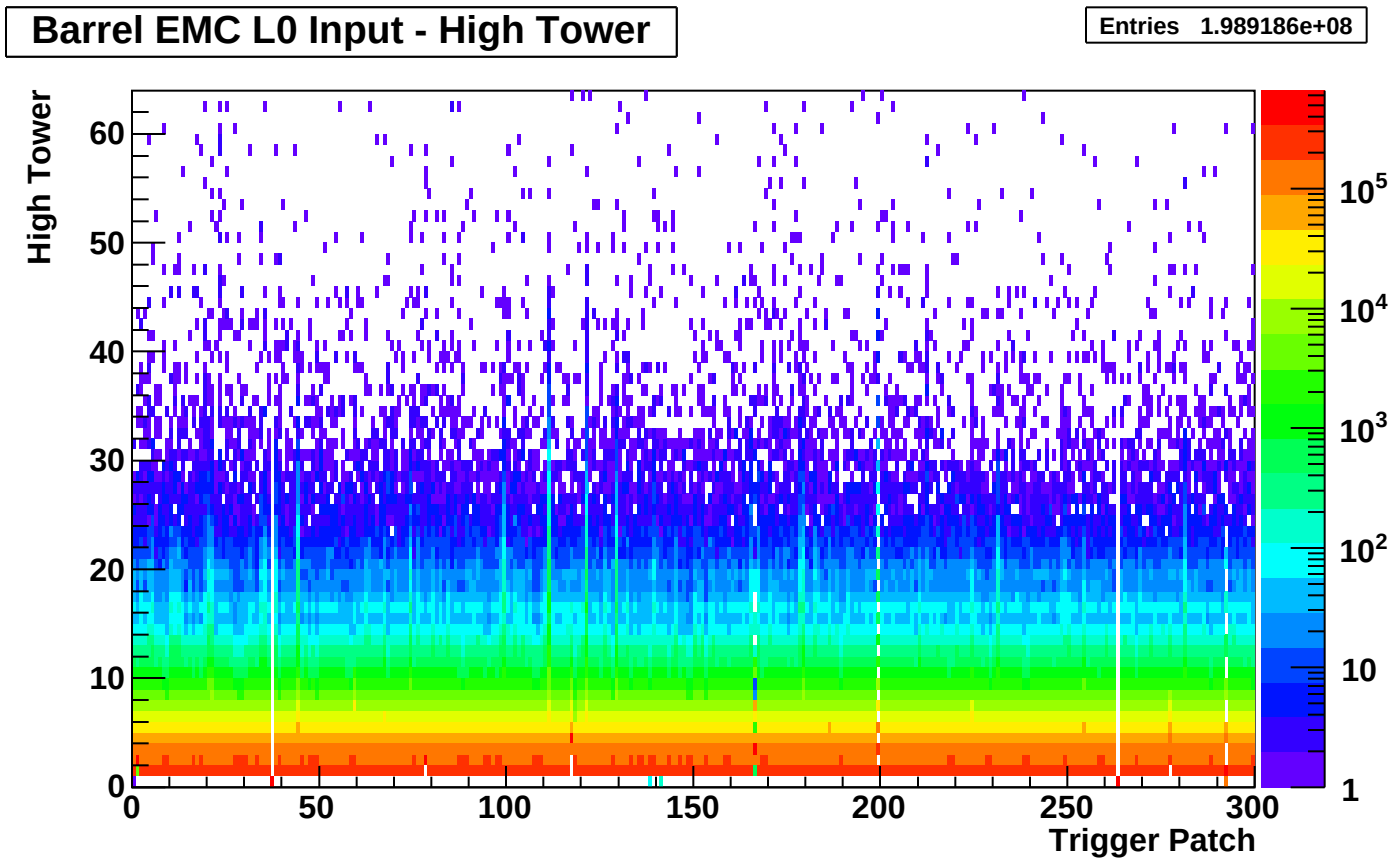

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

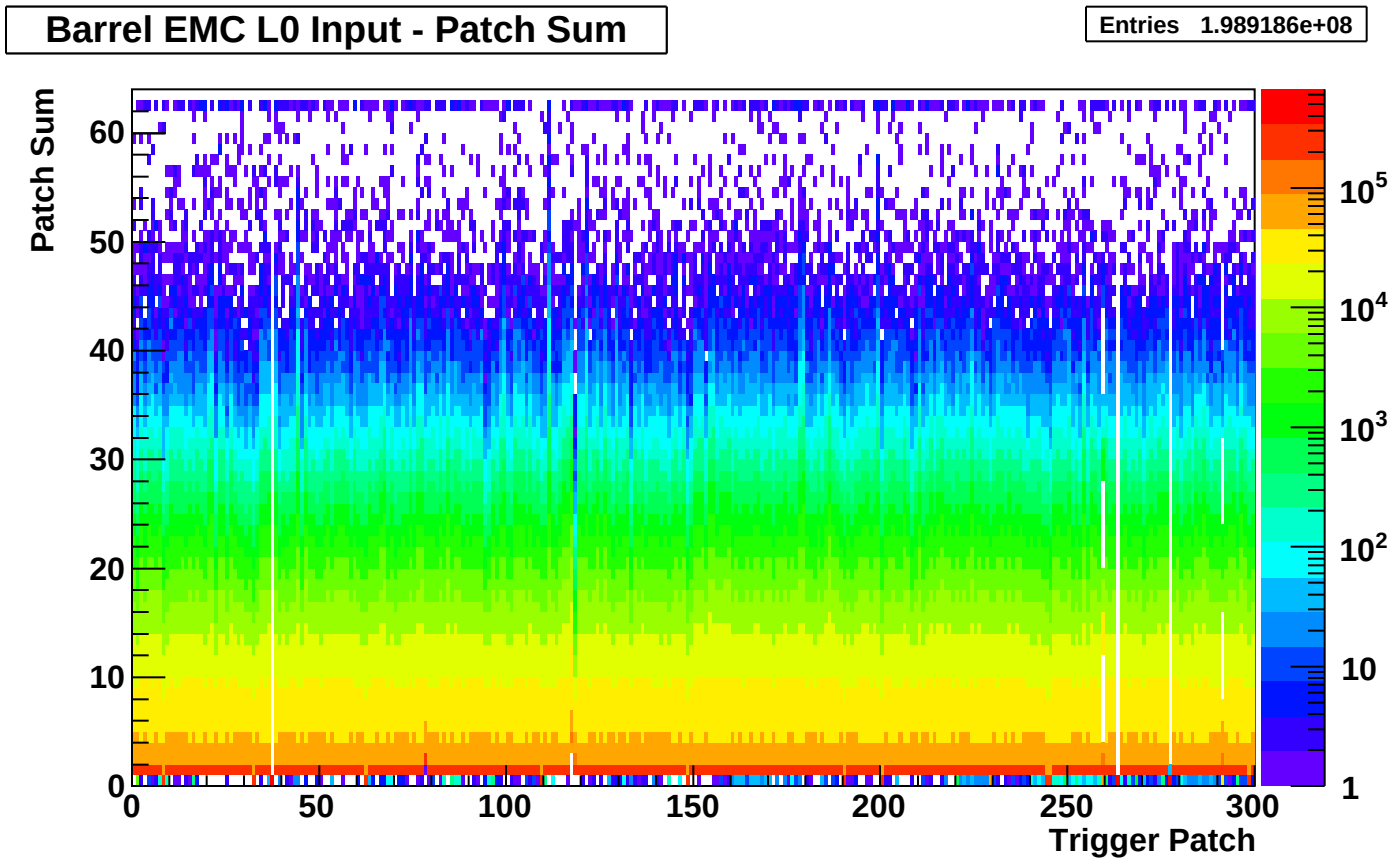

BunchId7Bit (BHT3)
Entries 6240
10^2
10
0
20
40
60
80
100
120

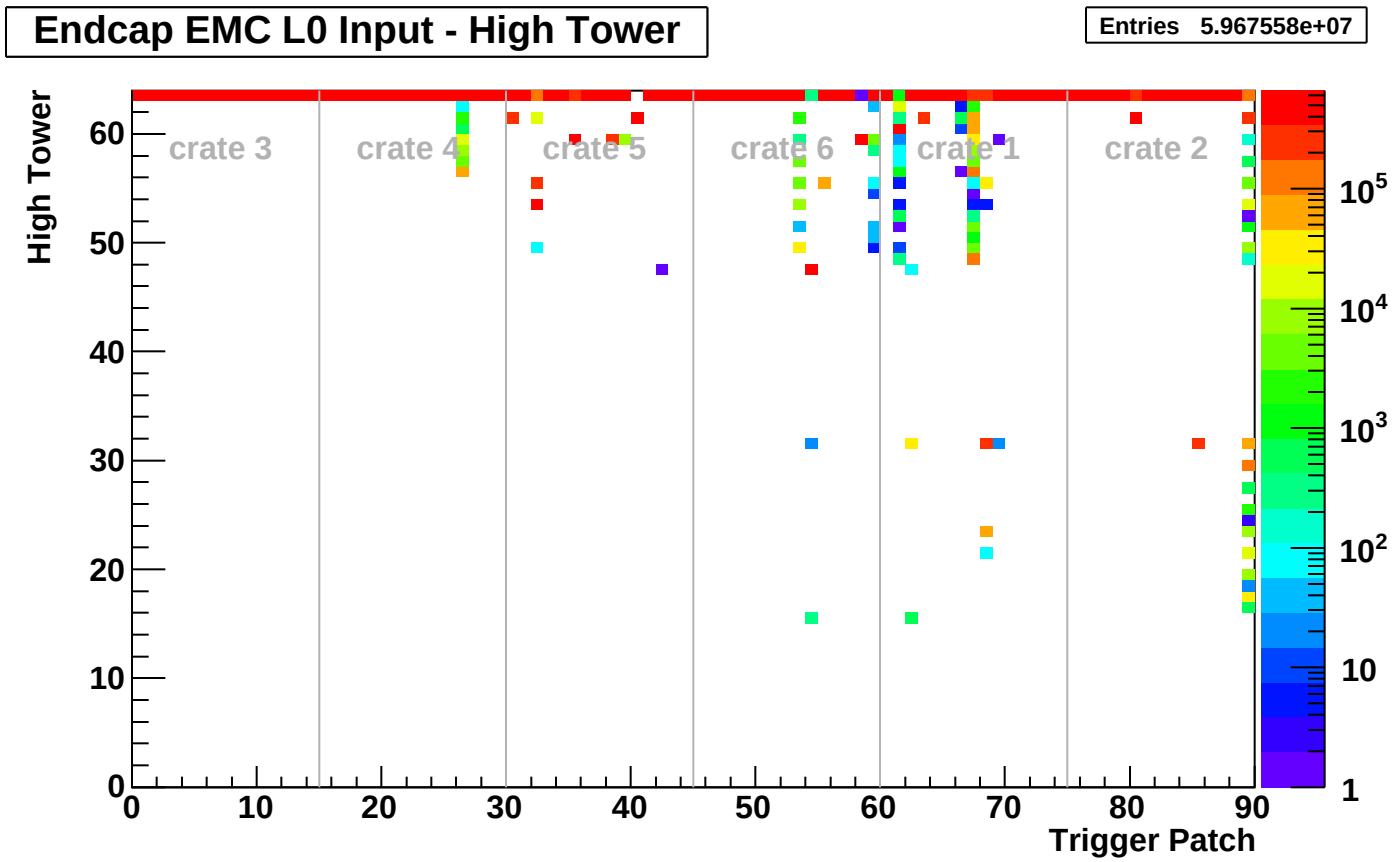

BunchId7Bit (all events)
Entries 663062
10^4
10^3
10^2
10
0
20
40
60
80
100
120

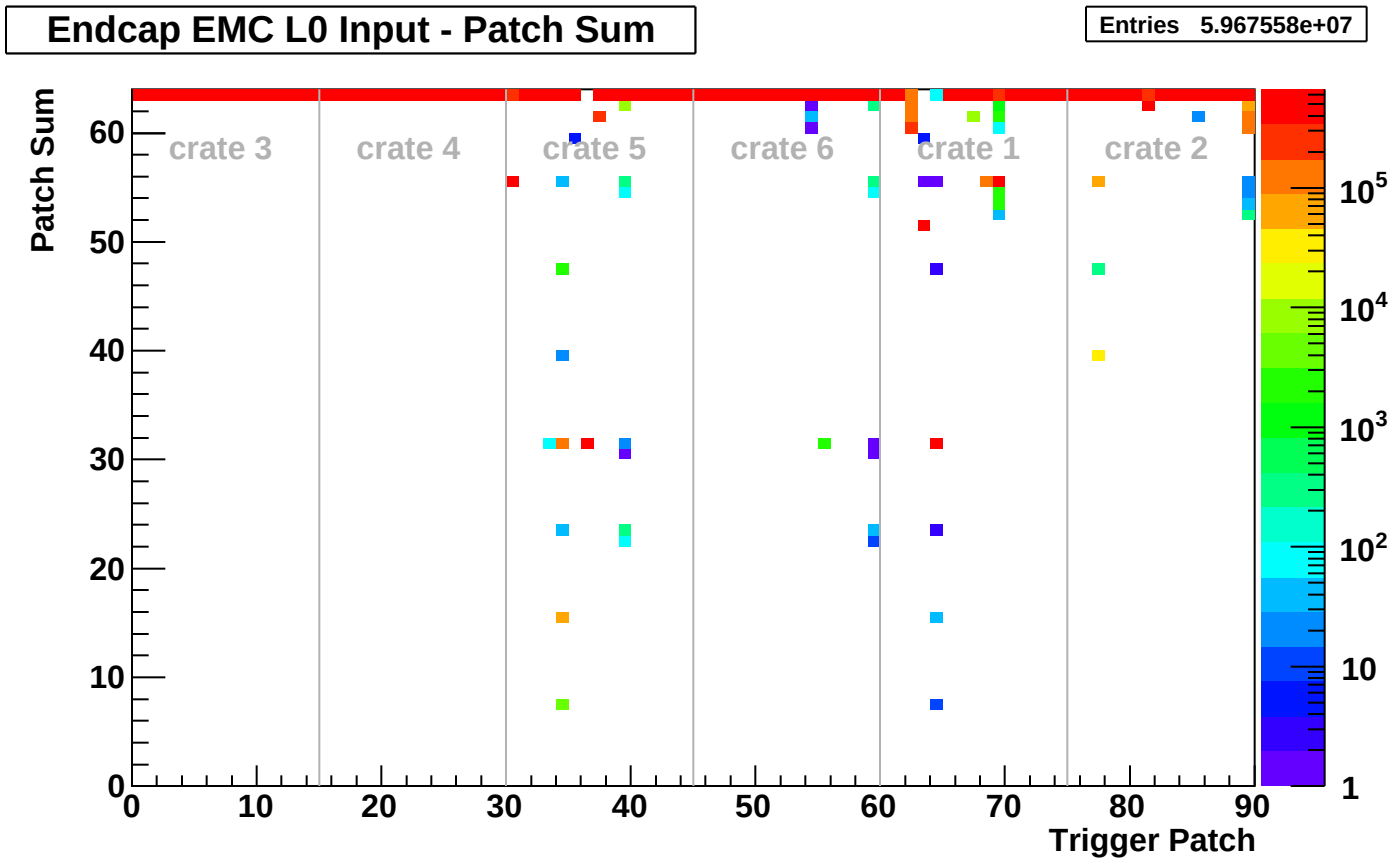

BunchId7Bit (JP1)
Entries 663062
10^4
10^3
10^2
10
0
20
40
60
80
100
120

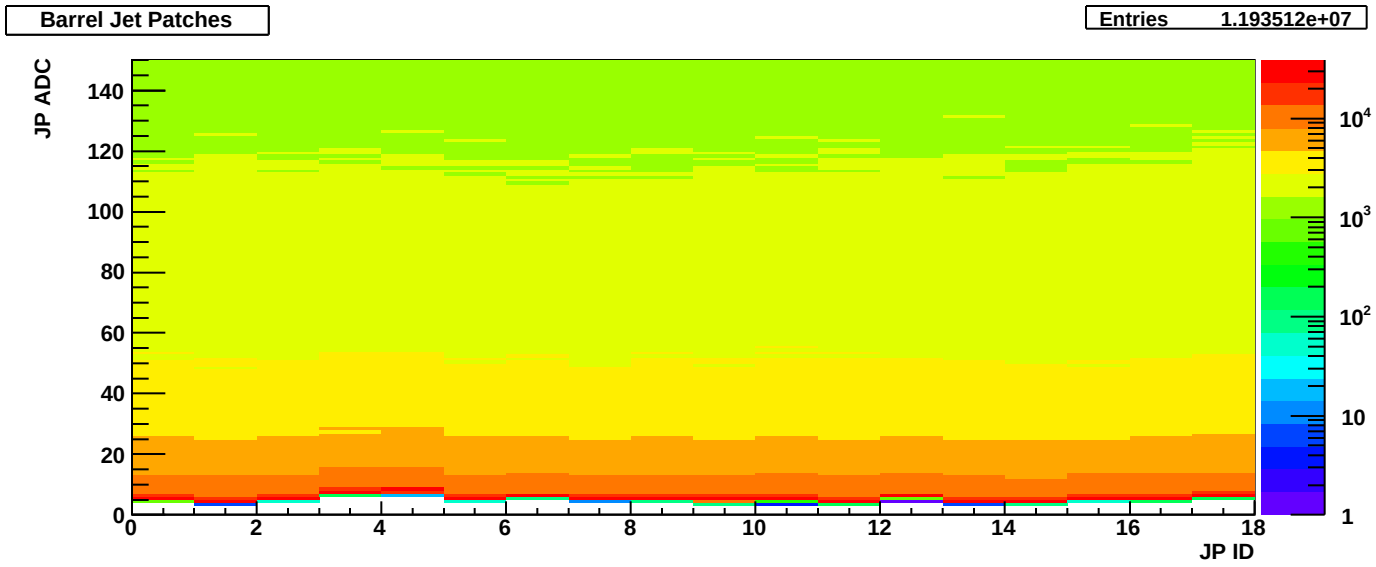

BunchId7Bit (JP2||AJP)
Entries 663062
10^4
10^3
10^2
10
0
20
40
60
80
100
120

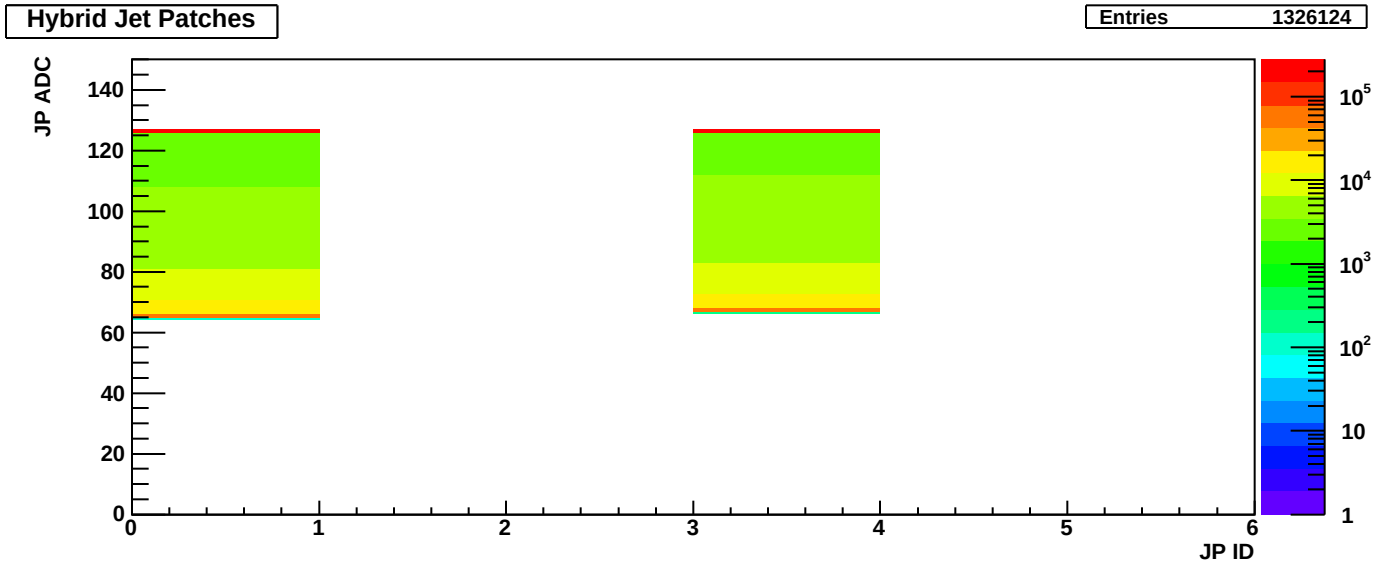

Barrel EMC L0 Input - High Tower
Entries 1.989186e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

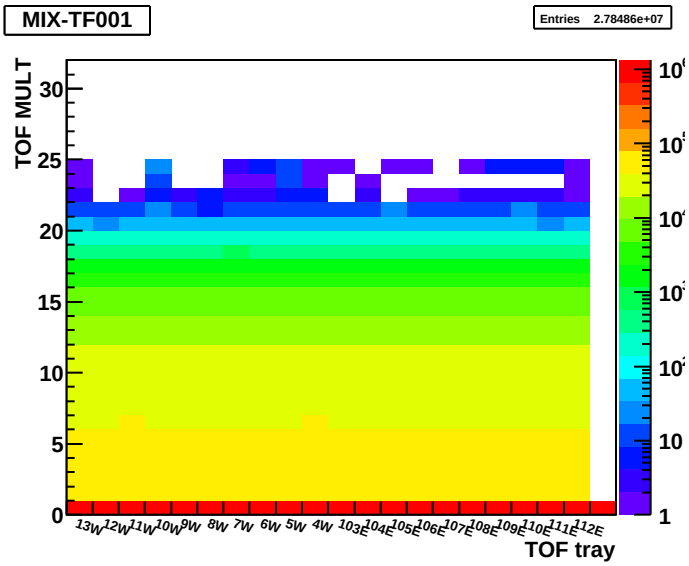

Barrel EMC L0 Input - Patch Sum
Entries 1.989186e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

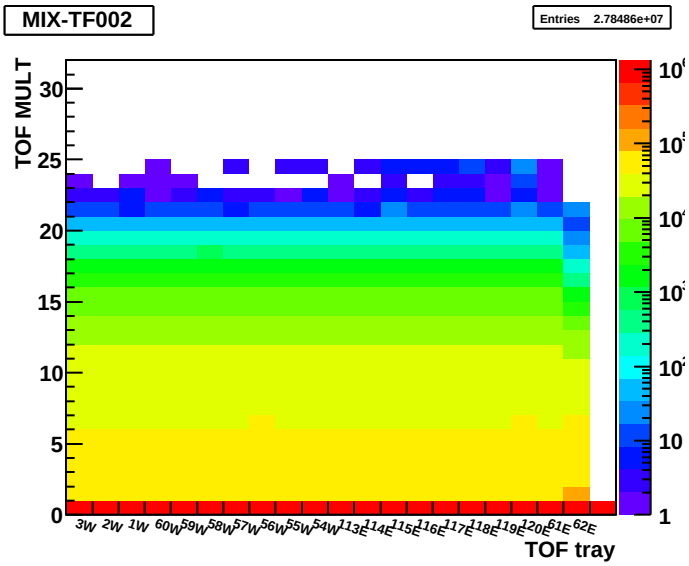

Endcap EMC L0 Input - High Tower
Entries 5.967558e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

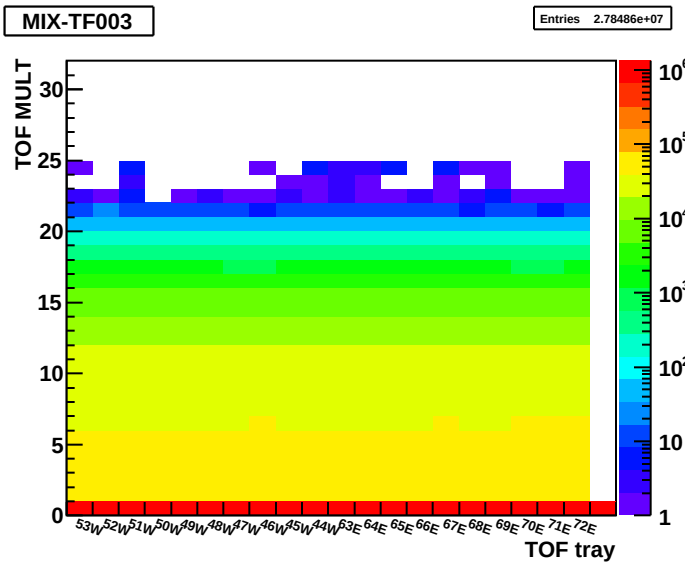

Endcap EMC L0 Input - Patch Sum
Entries 5.967558e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

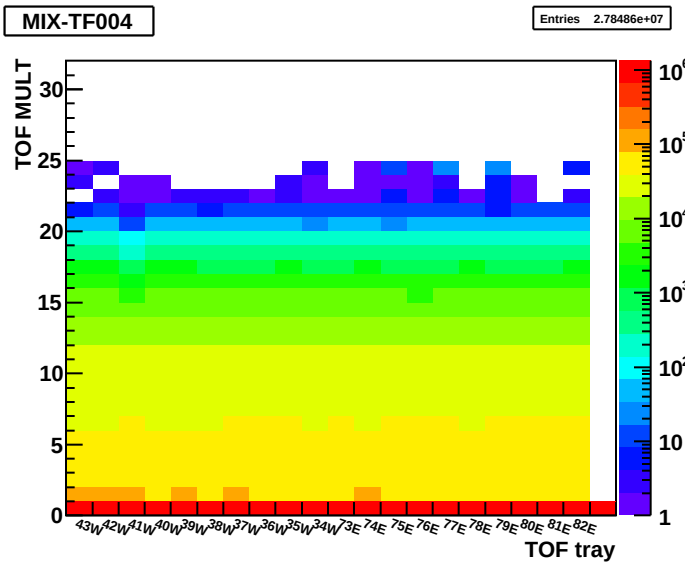

Barrel Jet Patches
Entries 1.193512e+07
JP ADC
JP ID

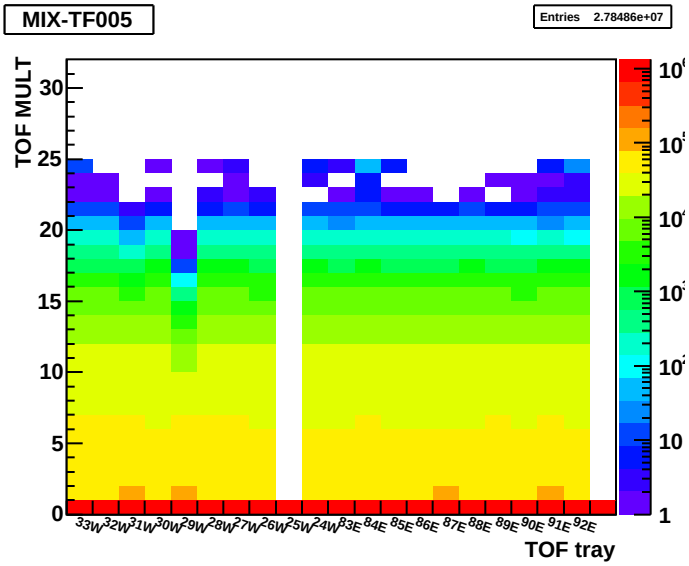

Hybrid Jet Patches
Entries 1326124
JP ADC
JP ID

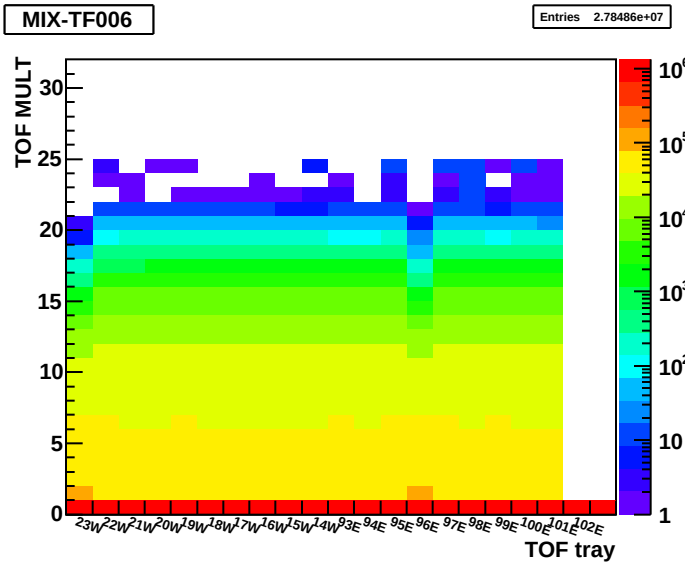

MIX-TF001
Entries 2.78486e+07
TOF MULT
TOF tray

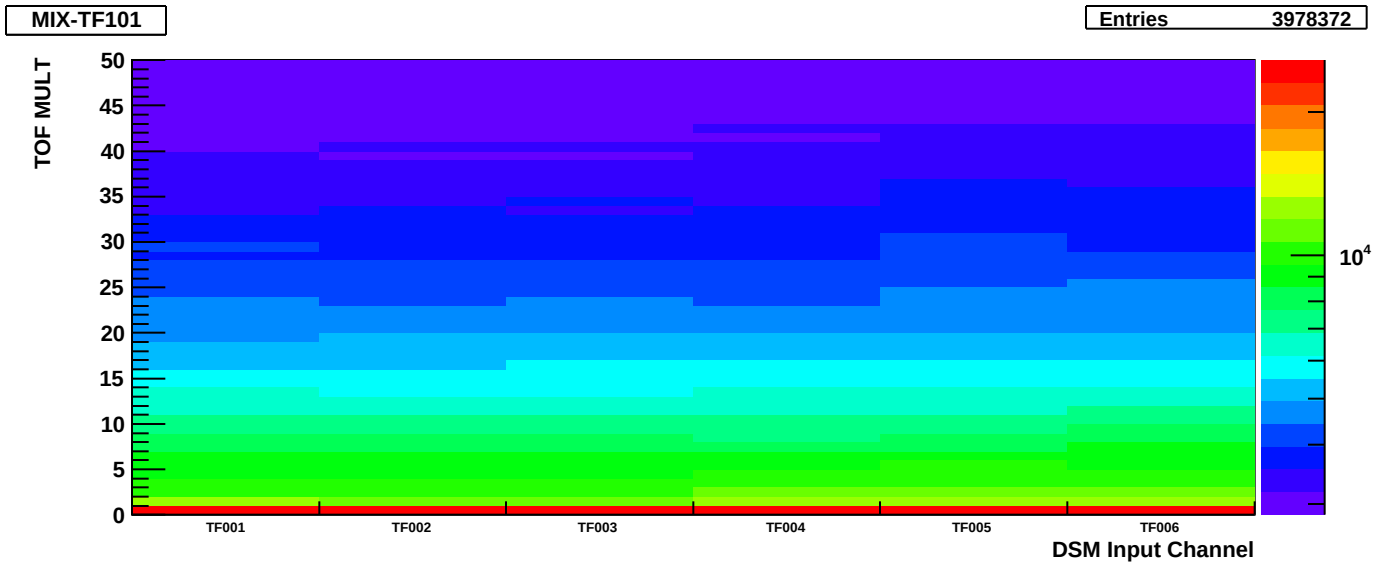

MIX-TF002
Entries 2.78486e+07
TOF MULT
TOF tray

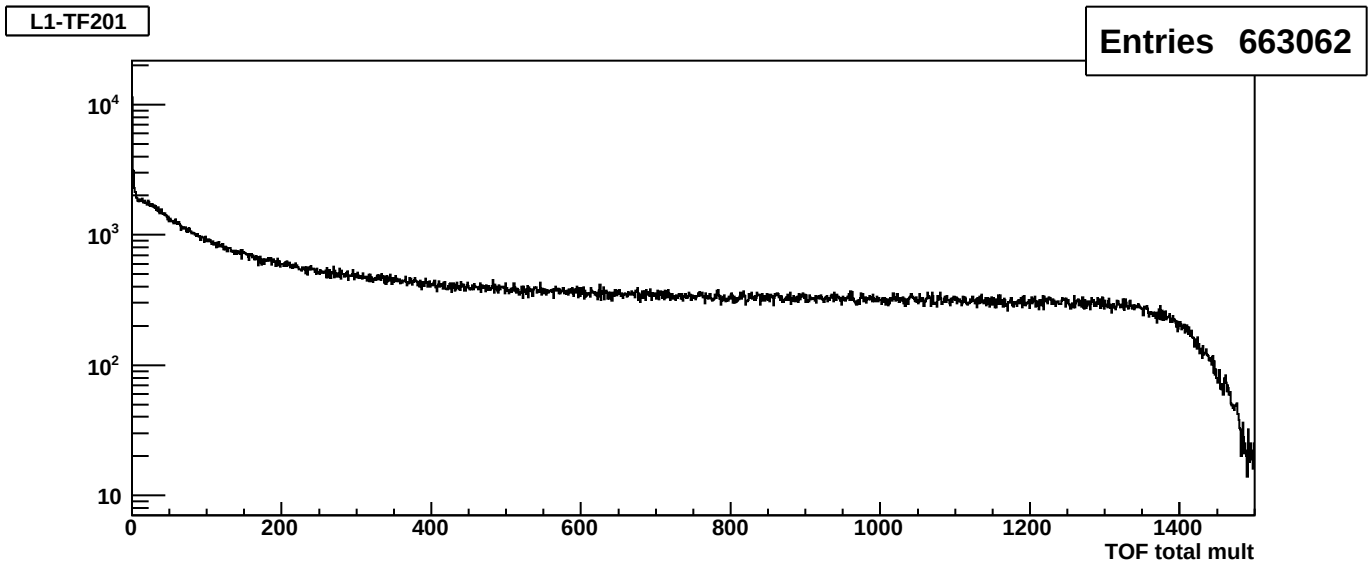

MIX-TF003
Entries 2.78486e+07
TOF MULT
TOF tray

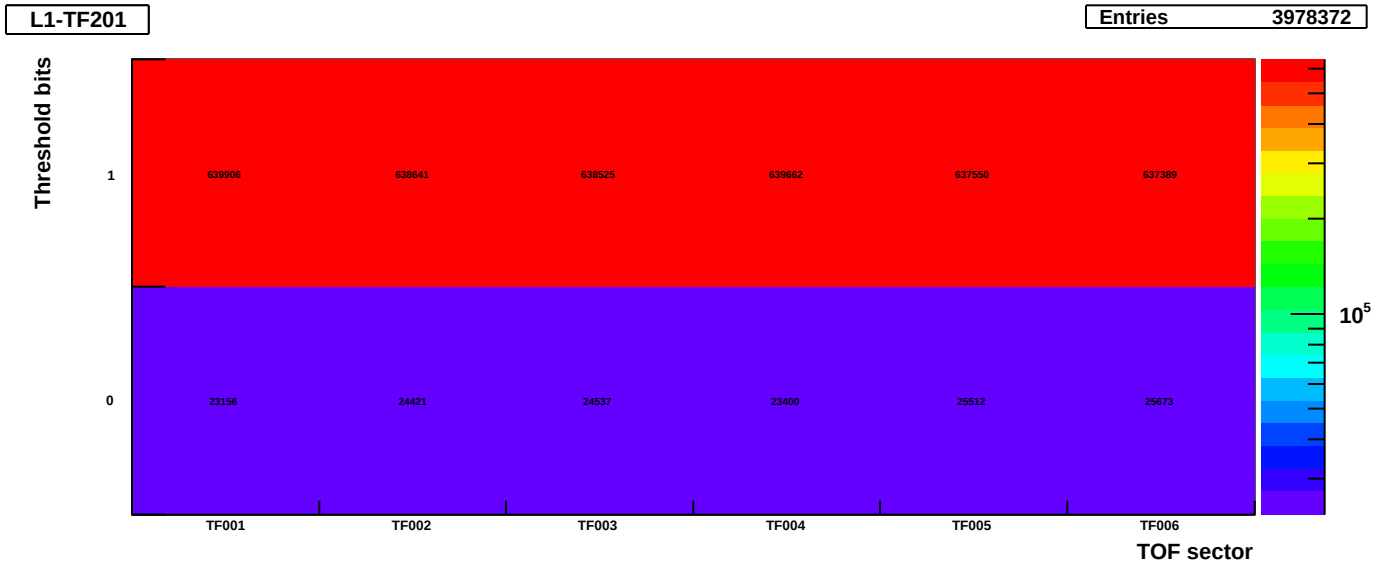

MIX-TF004
Entries 2.78486e+07
TOF MULT
TOF tray

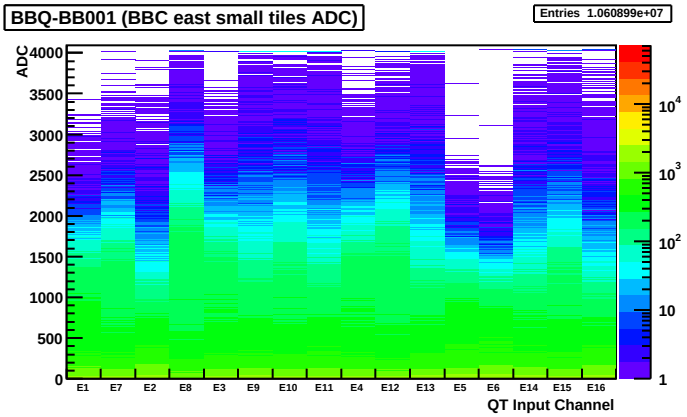

MIX-TF005
Entries 2.78486e+07
TOF MULT
TOF tray

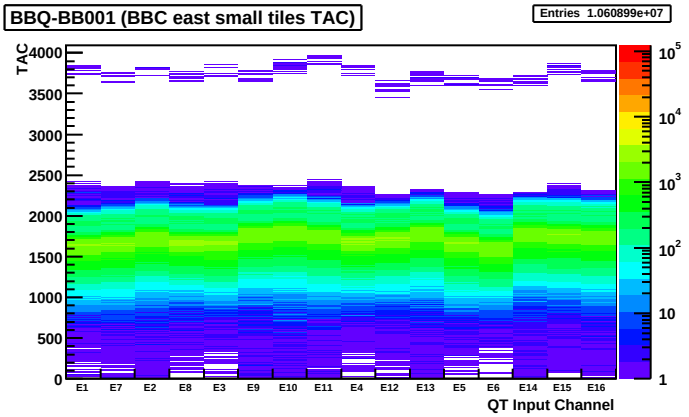

MIX-TF006
Entries 2.78486e+07
TOF MULT
TOF tray

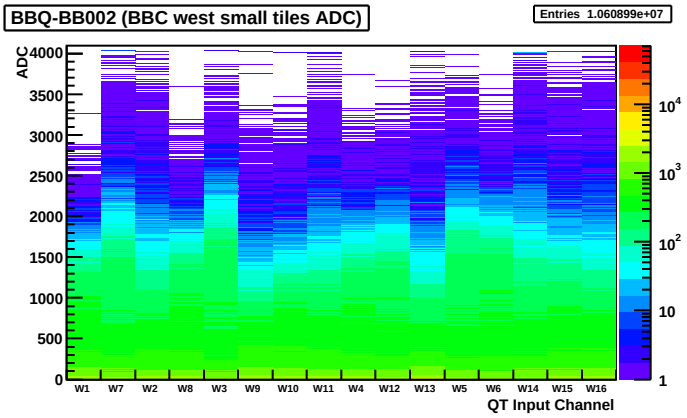

MIX-TF101
Entries 3978372
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

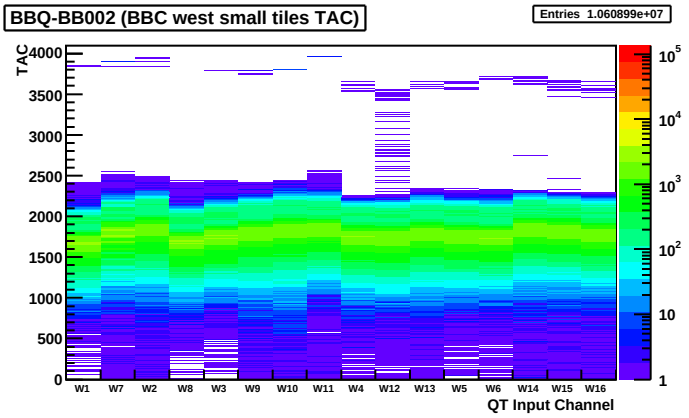

L1-TF201
Entries 663062
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

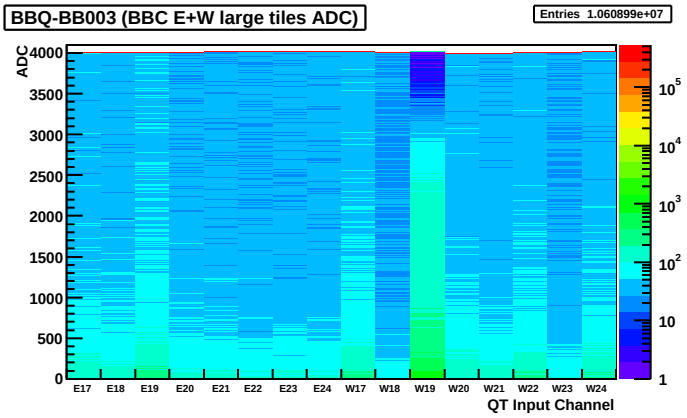

L1-TF201
Entries 3978372
Threshold bits
1
0
639906
638641
638525
639662
637550
637389
23156
24421
24537
23400
25512
25673
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

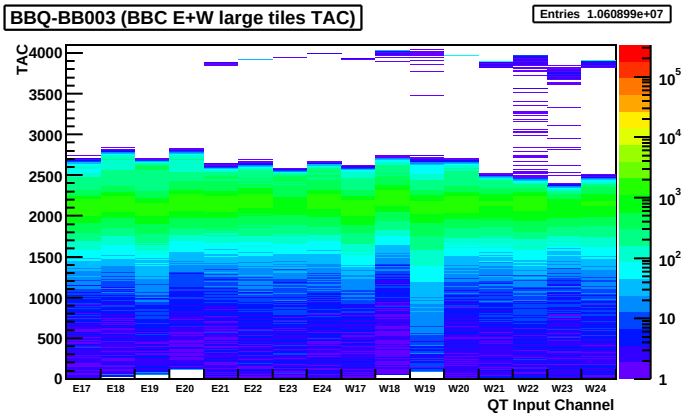

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.060899e+07
ADC
QT Input Channel

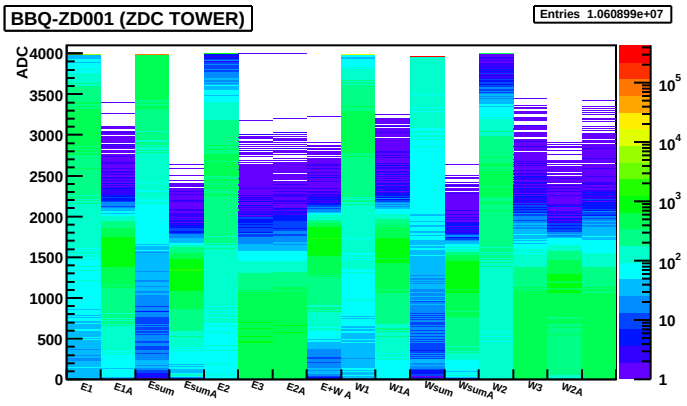

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.060899e+07
TAC
QT Input Channel

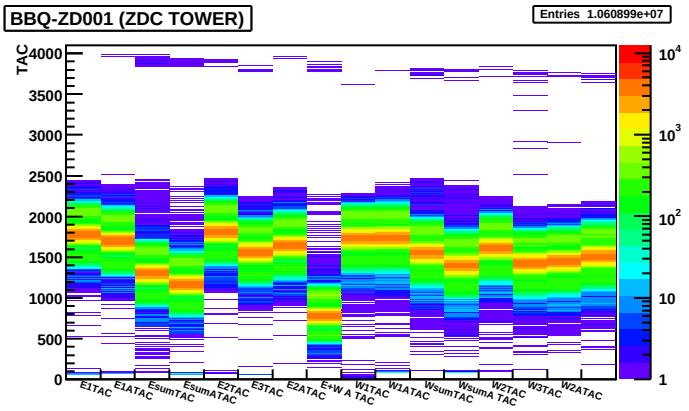

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.060899e+07
ADC
QT Input Channel

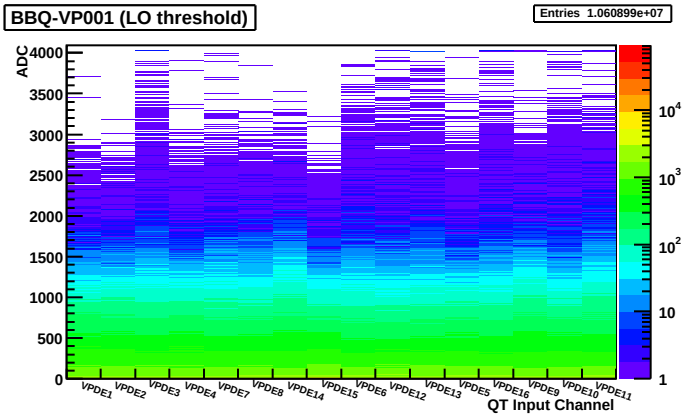

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.060899e+07
TAC
QT Input Channel

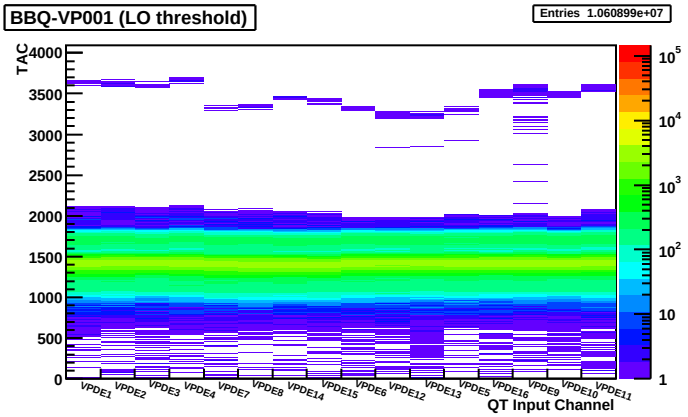

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.060899e+07
ADC
QT Input Channel

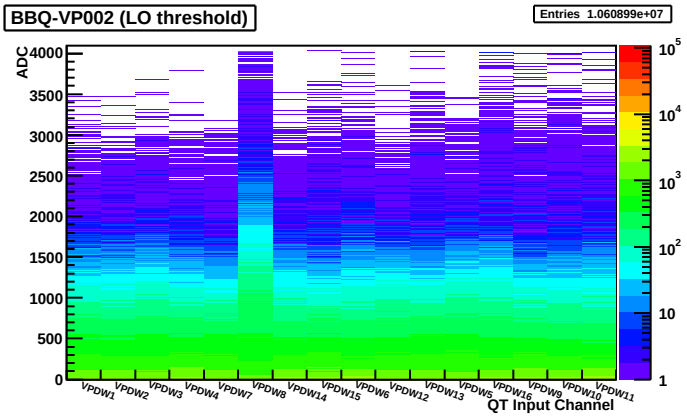

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.060899e+07
TAC
QT Input Channel

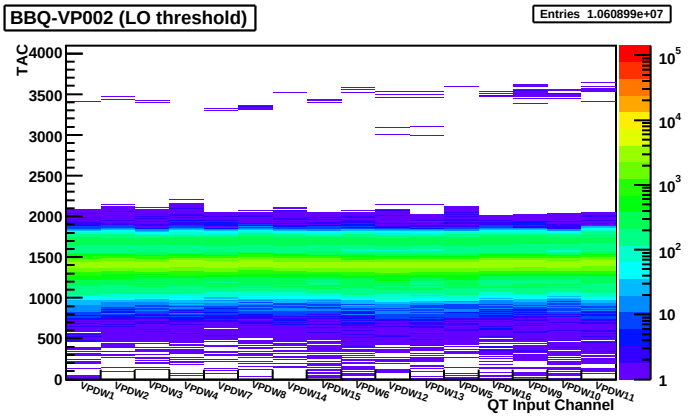

BBQ-ZD001 (ZDC TOWER)
Entries 1.060899e+07
ADC

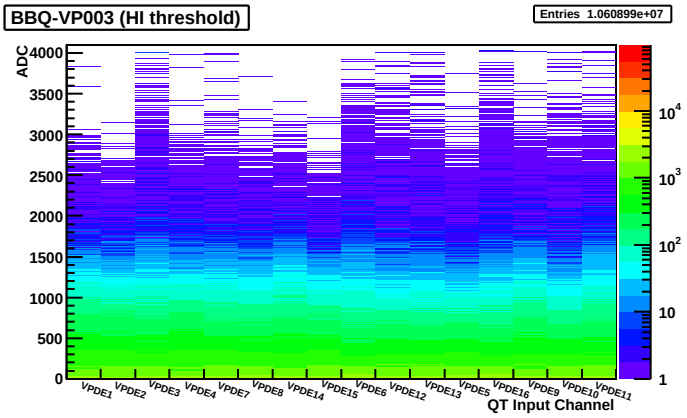

BBQ-ZD001 (ZDC TOWER)
Entries 1.060899e+07
TAC

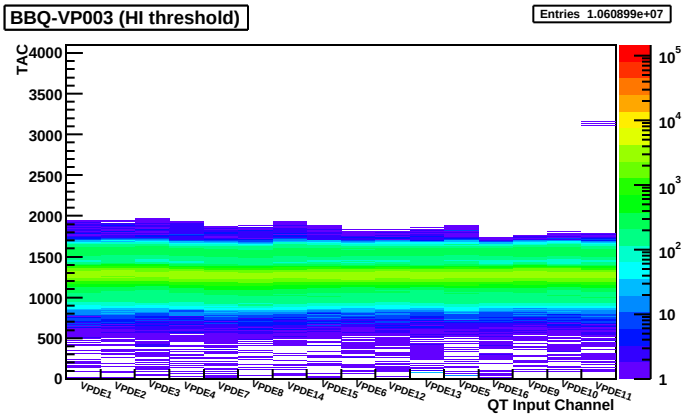

BBQ-VP001 (LO threshold)
Entries 1.060899e+07
ADC
QT Input Channel

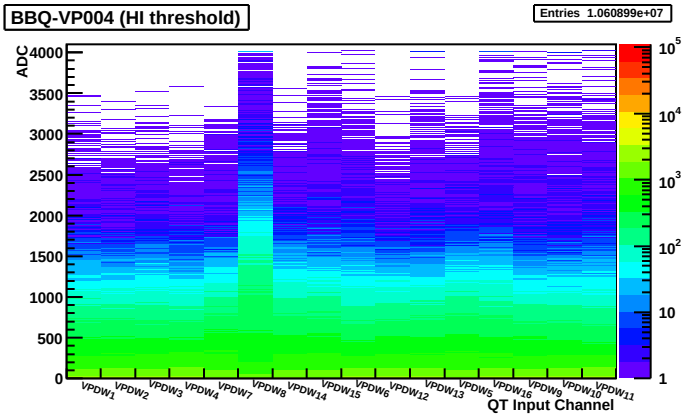

BBQ-VP001 (LO threshold)
Entries 1.060899e+07
TAC
QT Input Channel

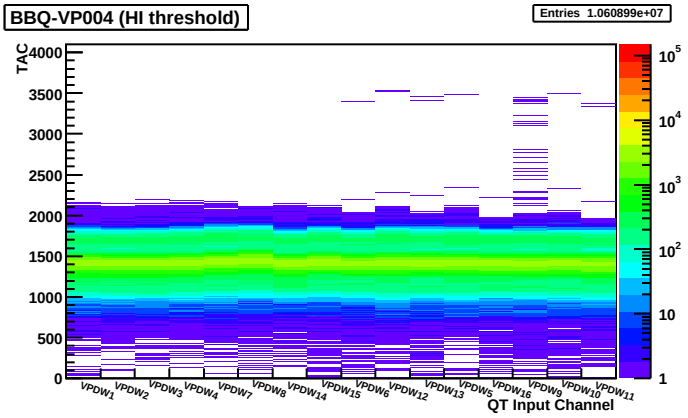

BBQ-VP002 (LO threshold)
Entries 1.060899e+07
ADC
QT Input Channel

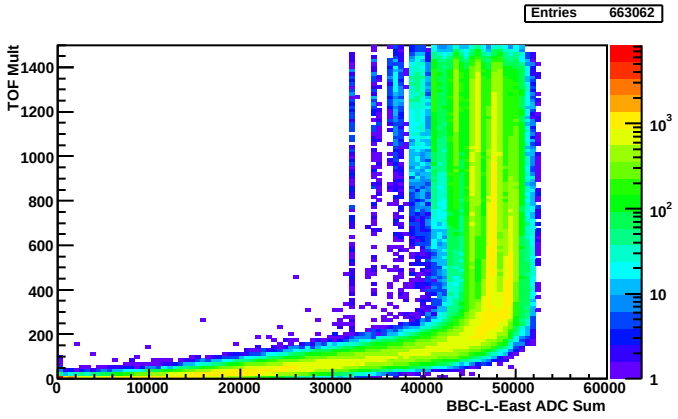

BBQ-VP002 (LO threshold)
Entries 1.060899e+07
TAC
QT Input Channel

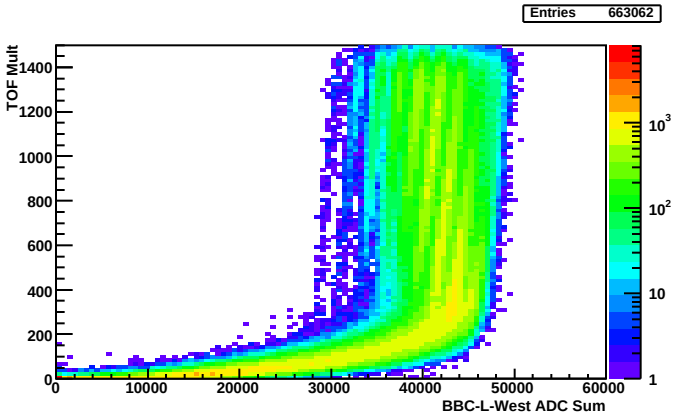

BBQ-VP003 (HI threshold)
Entries 1.060899e+07
ADC
QT Input Channel

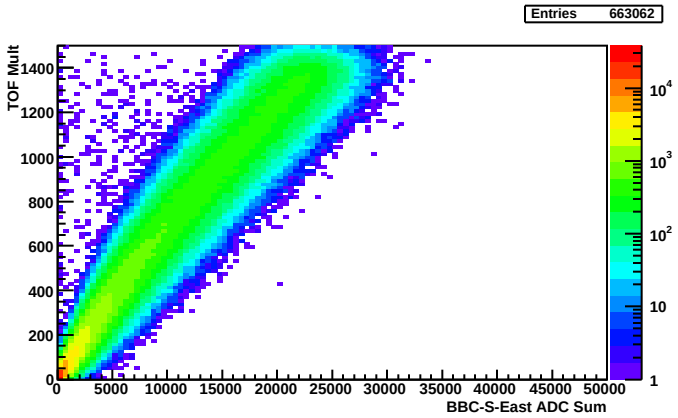

BBQ-VP003 (HI threshold)
Entries 1.060899e+07
TAC
QT Input Channel

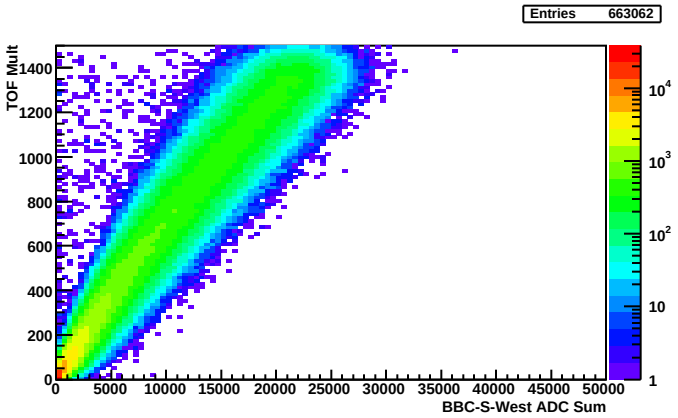

BBQ-VP004 (HI threshold)
Entries 1.060899e+07
ADC
QT Input Channel

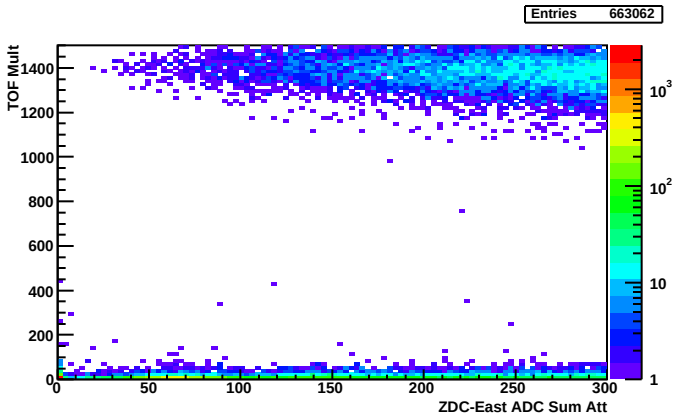

BBQ-VP004 (HI threshold)
Entries 1.060899e+07
TAC
QT Input Channel

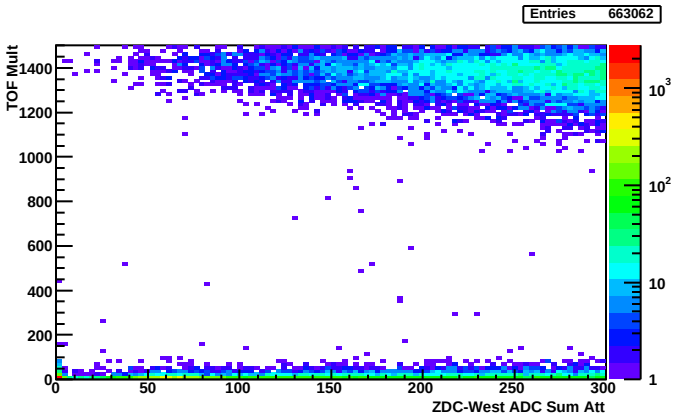

Entries 663062
TOF Mult
BBC-L-East ADC Sum

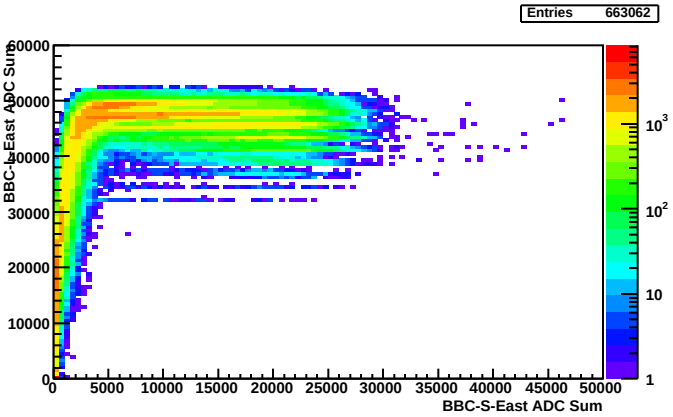

Entries 663062
TOF Mult
BBC-L-West ADC Sum

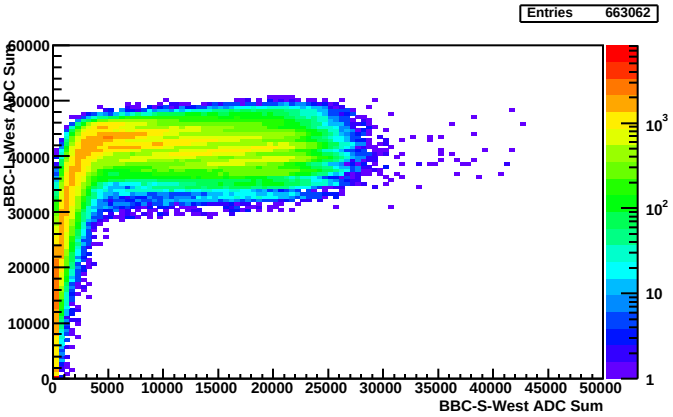

Entries 663062
TOF Mult
BBC-S-East ADC Sum

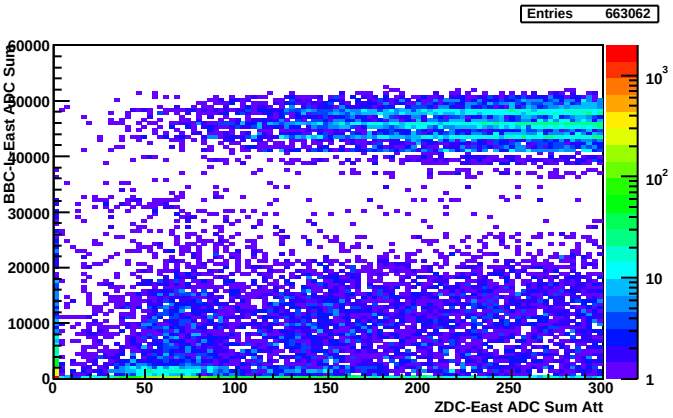

Entries 663062
TOF Mult
BBC-S-West ADC Sum

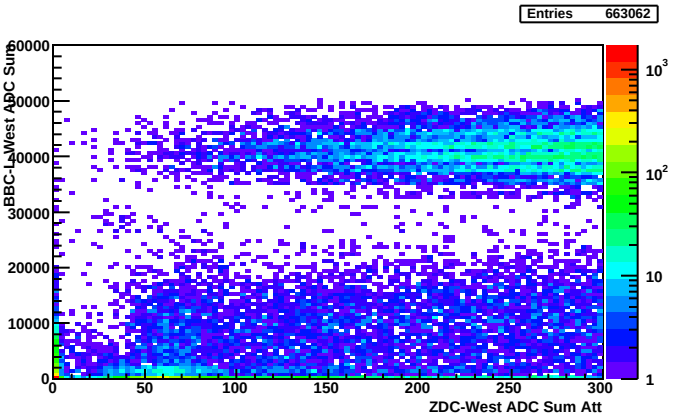

Entries 663062
TOF Mult
ZDC-East ADC Sum Att

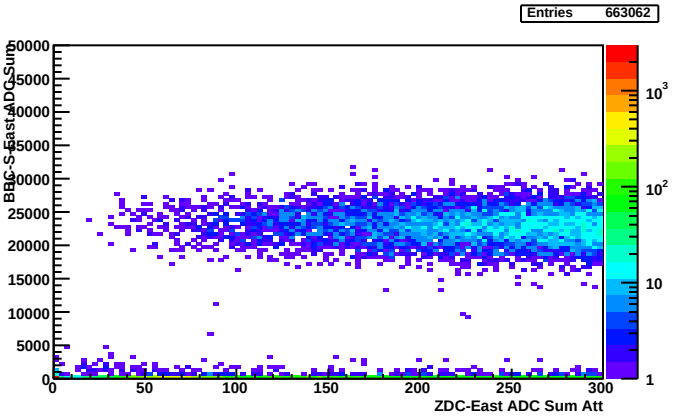

Entries 663062
TOF Mult
ZDC-West ADC Sum Att

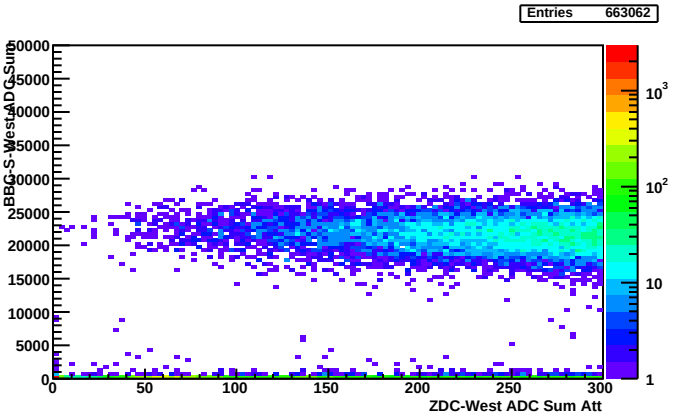

Entries 663062
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 663062
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 663062
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 663062
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 663062
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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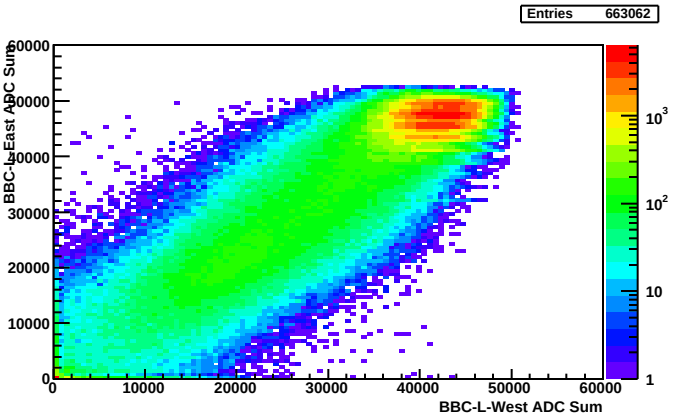
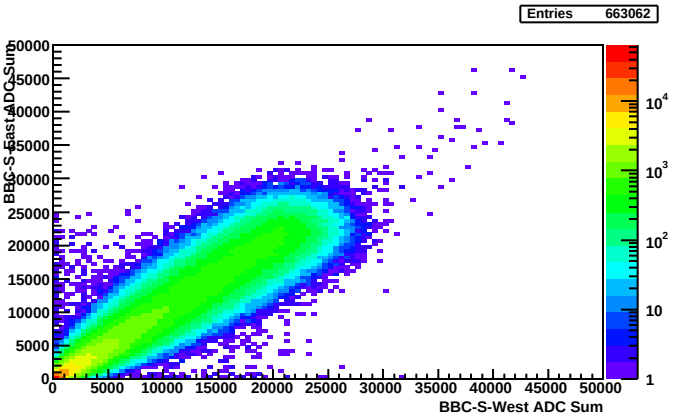
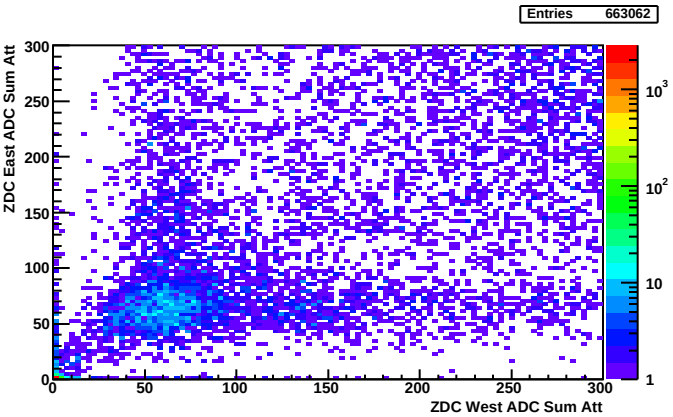
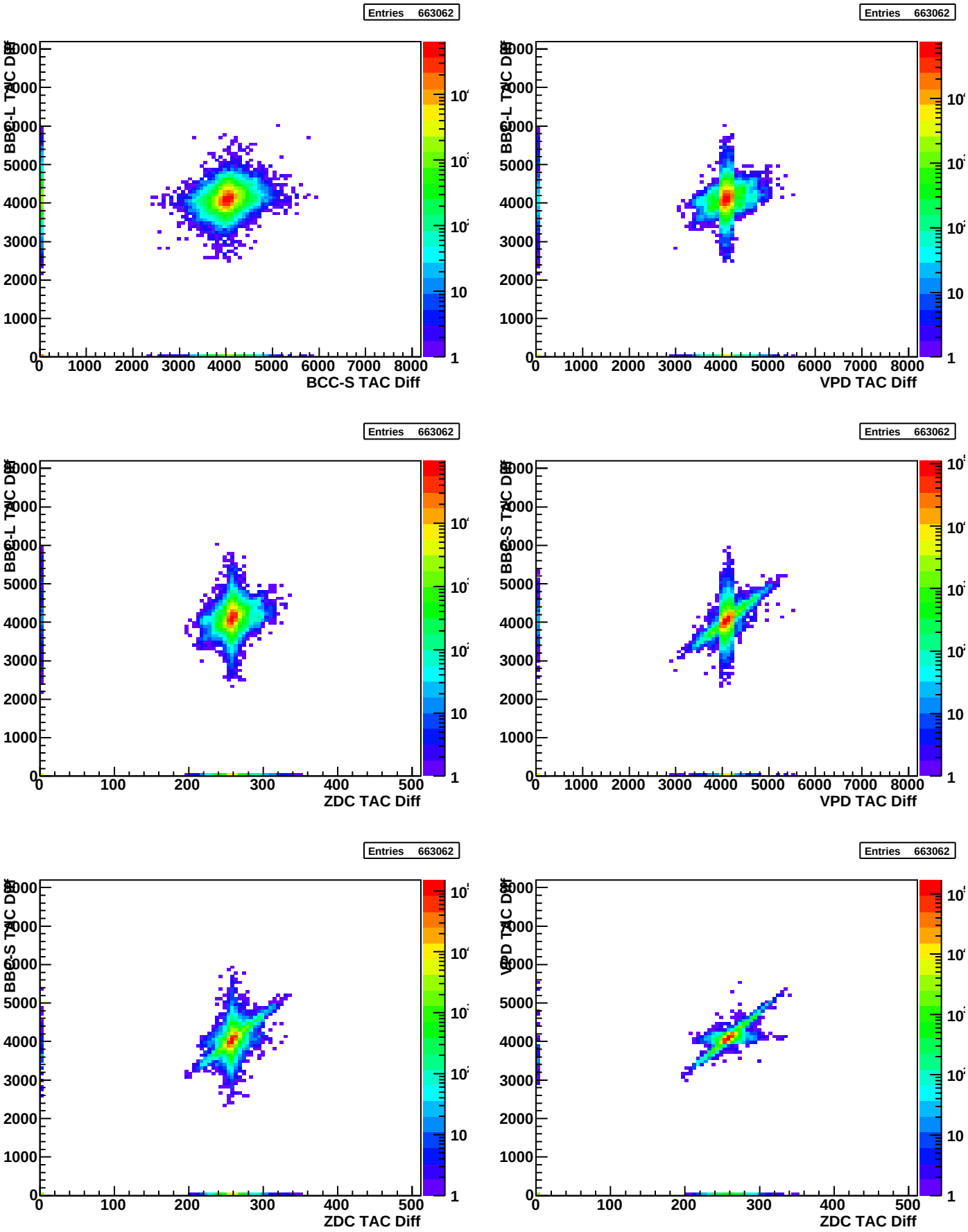
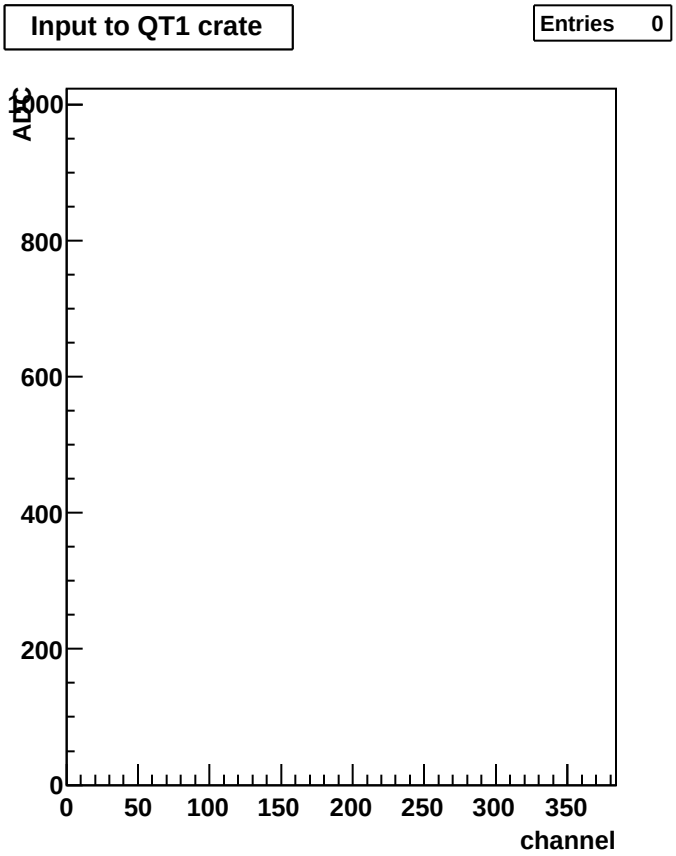
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

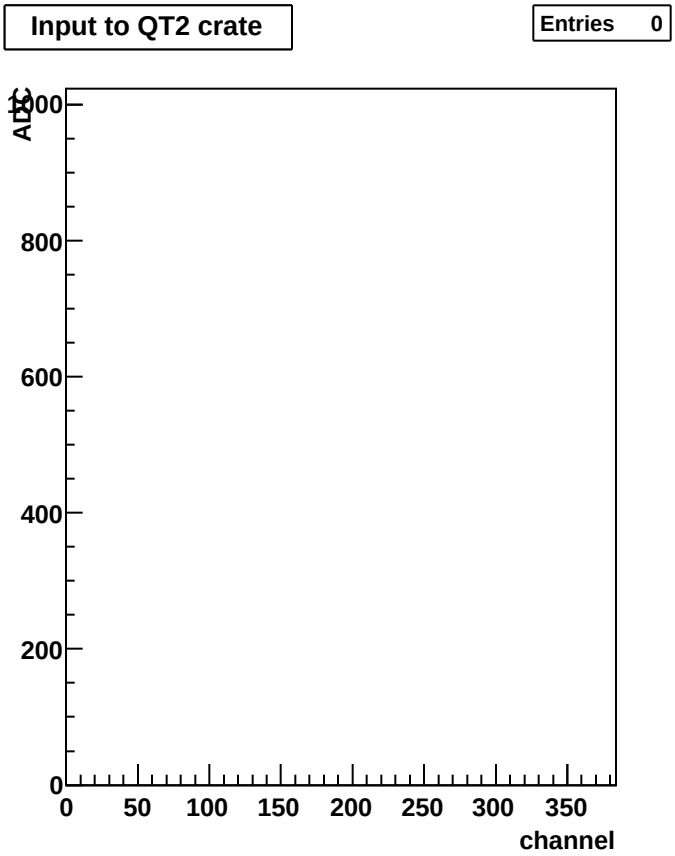

Entries 663062
BBC-L-East ADC Sum
BBC-L-West ADC Sum

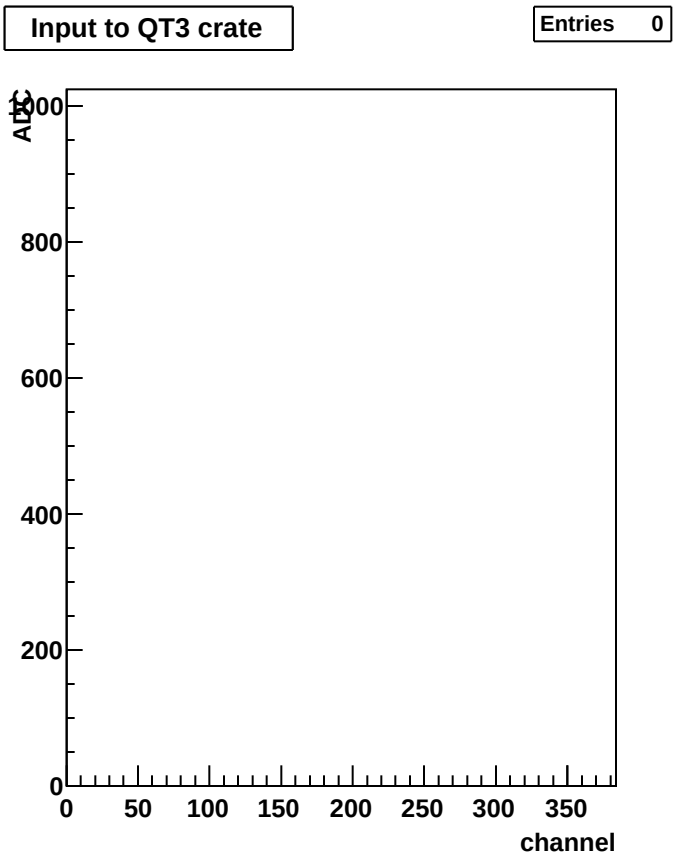

Entries 663062
BBC-S-East ADC Sum
BBC-S-West ADC Sum

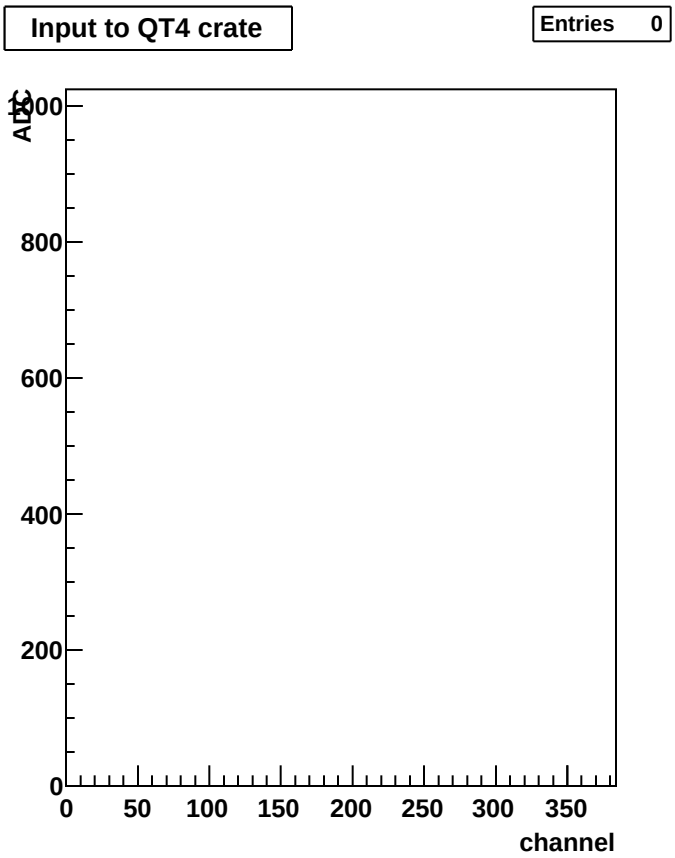

Entries 663062
ZDC East ADC Sum Att
ZDC West ADC Sum Att

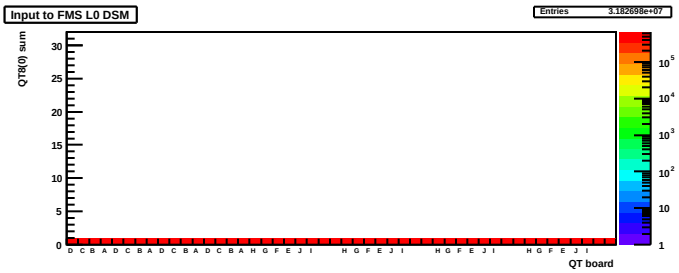

Entries 663062
BBC-L TAC Diff
BCC-S TAC Diff
Entries 663062
BBC-L TAC Diff
VPD TAC Diff
Entries 663062
BBC-L TAC Diff
ZDC TAC Diff
Entries 663062
BBC-S TAC Diff
VPD TAC Diff
Entries 663062
BBC-S TAC Diff
ZDC TAC Diff
Entries 663062
VPD TAC Diff
ZDC TAC Diff

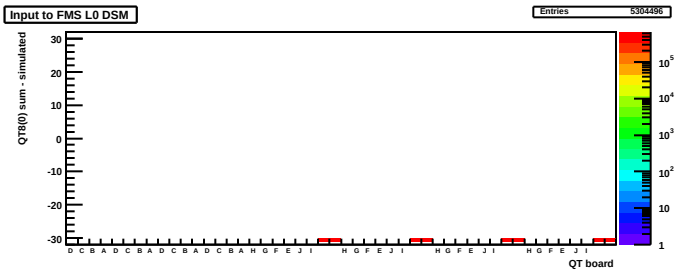

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

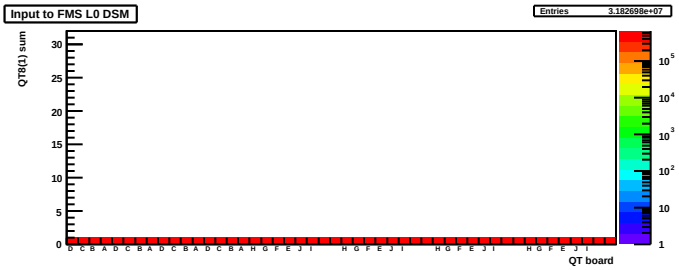

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

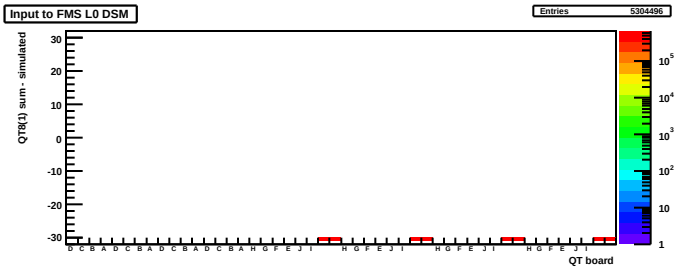

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

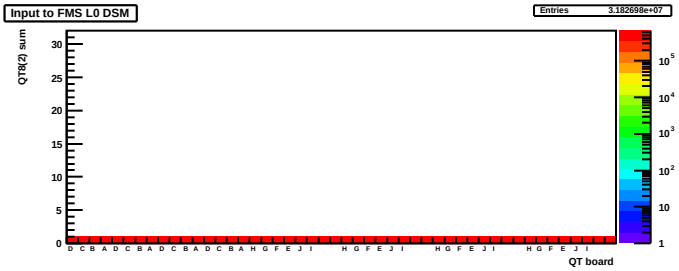

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

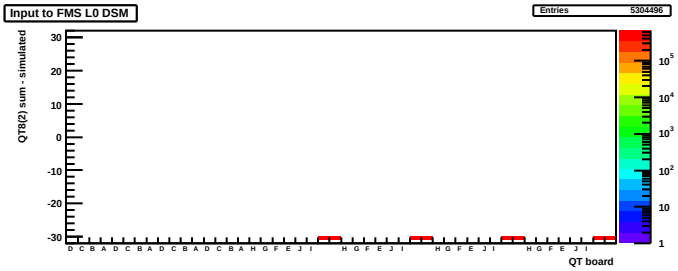

Input to FMS L0 DSM
Entries 3.182698e+07
QT8(0) sum
QT board

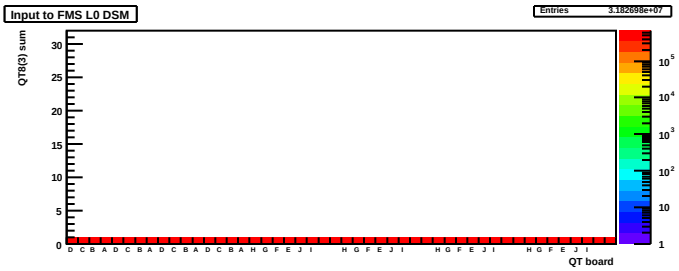

Input to FMS L0 DSM
Entries 5304496
QT8(0) sum - simulated
QT board

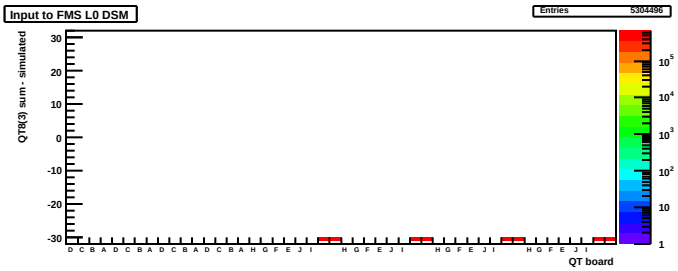

Input to FMS L0 DSM
Entries 3.182698e+07
QT8(1) sum
QT board

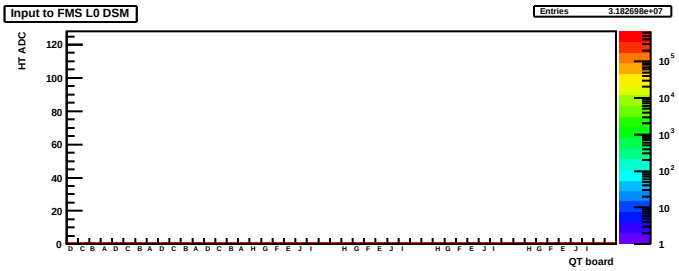

Input to FMS L0 DSM
Entries 5304496
QT8(1) sum - simulated
QT board

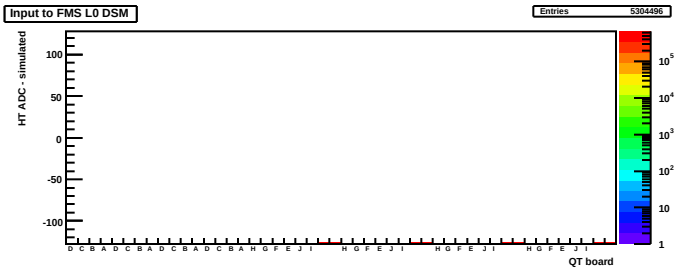

Input to FMS L0 DSM
Entries 3.182698e+07
QT8(2) sum
QT board

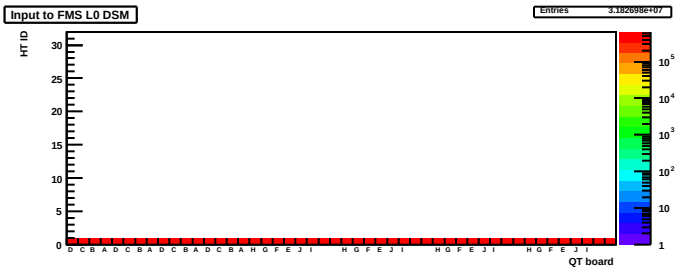

Input to FMS L0 DSM
Entries 5304496
QT8(2) sum - simulated
QT board

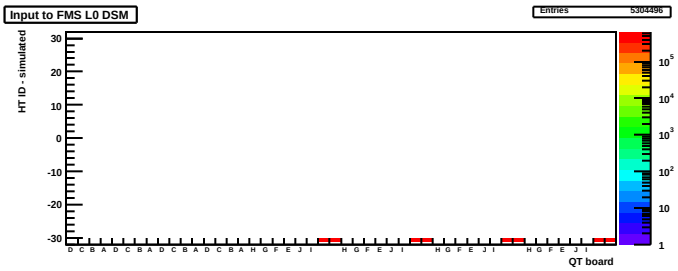

Input to FMS L0 DSM
Entries 3.182698e+07
QT8(3) sum
QT board

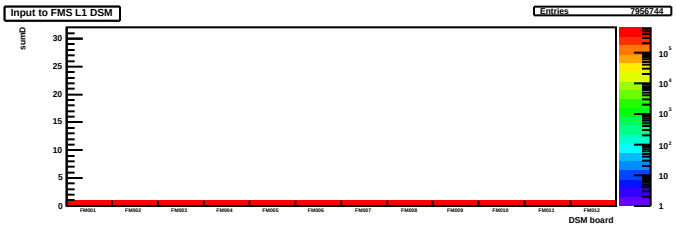

Input to FMS L0 DSM
Entries 5304496
QT8(3) sum - simulated
QT board

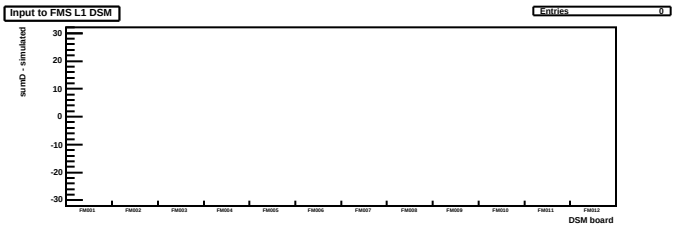

Input to FMS L0 DSM
Entries 3.182698e+07
HT ADC
QT board

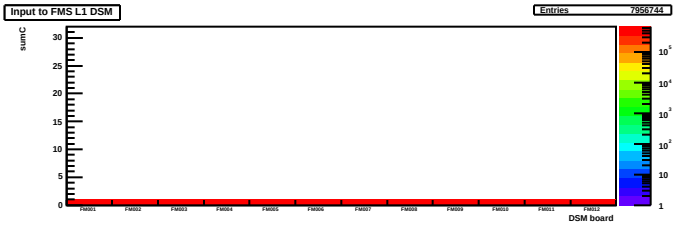

Input to FMS L0 DSM
Entries 5304496
HT ADC - simulated
QT board

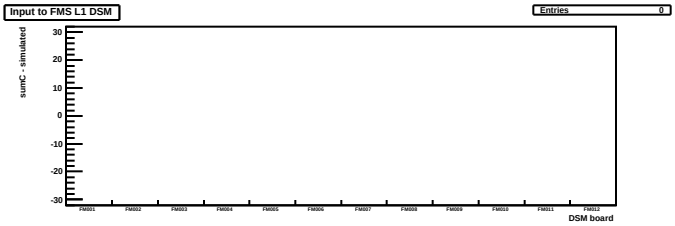

Input to FMS L0 DSM
Entries 3.182698e+07
HT ID
QT board

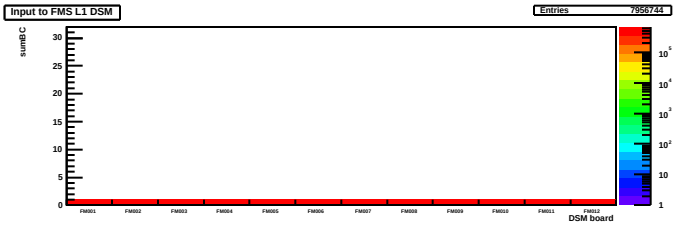

Input to FMS L0 DSM
Entries 5304496
HT ID - simulated
QT board

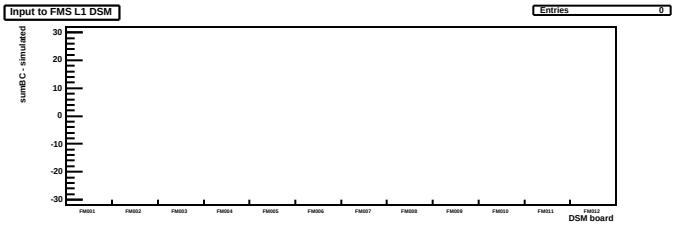

Input to FMS L1 DSM
Entries 7956744
sumD
DSM board

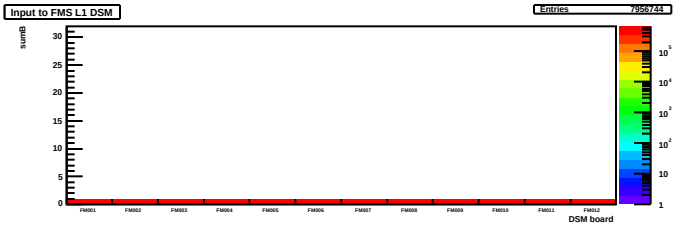

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

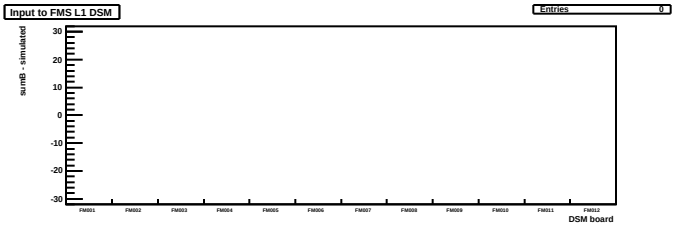

Input to FMS L1 DSM
Entries 7956744
sumC
DSM board

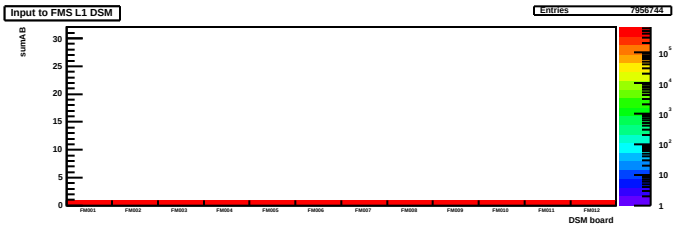

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

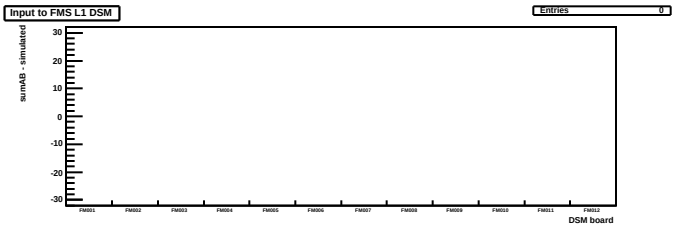

Input to FMS L1 DSM
Entries 7956744
sumBC
DSM board

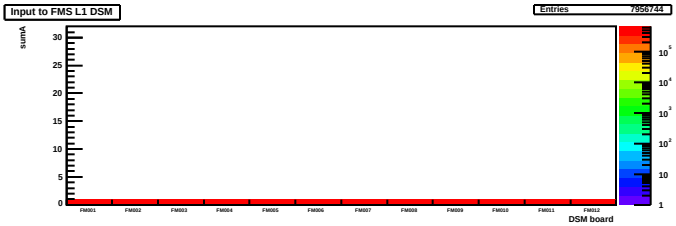

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

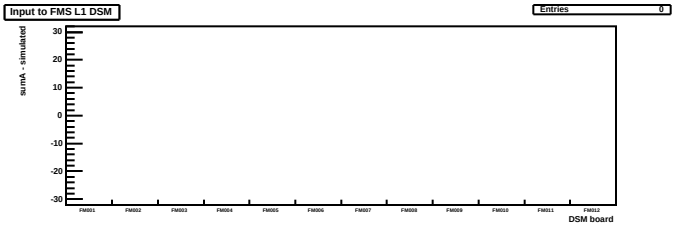

Input to FMS L1 DSM
Entries 7956744
sumB
DSM board

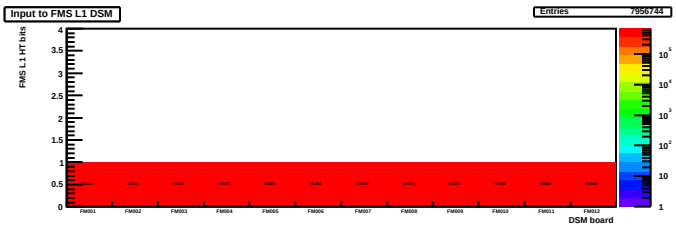

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

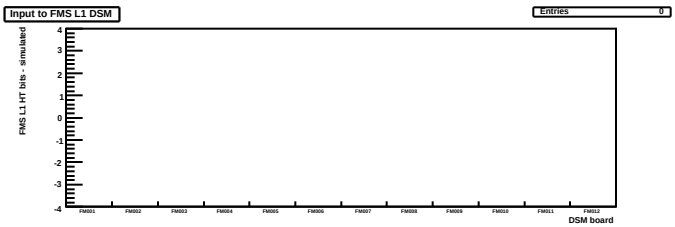

Input to FMS L1 DSM
Entries 7956744
sumAB
DSM board

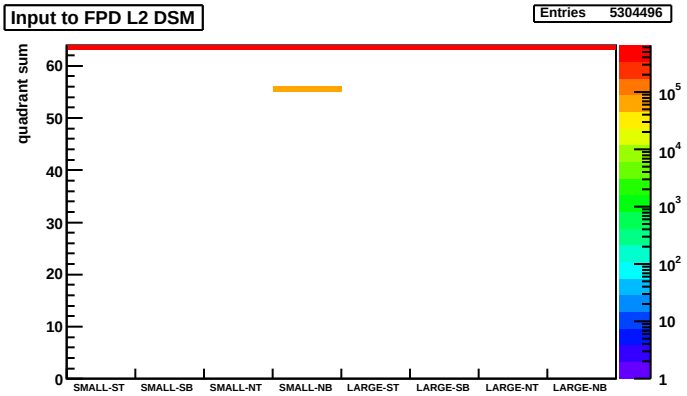

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

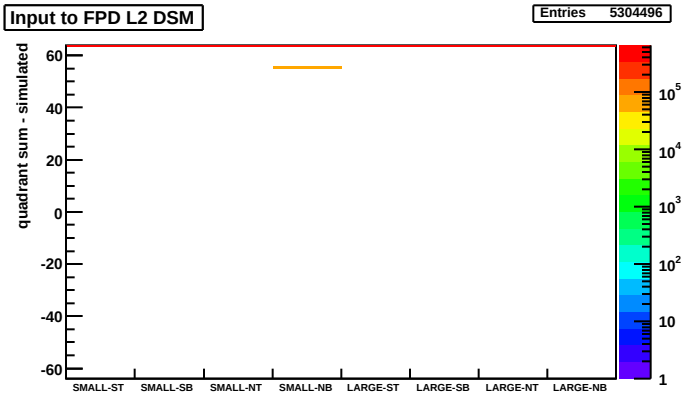

Input to FMS L1 DSM
Entries 7956744
sumA
DSM board

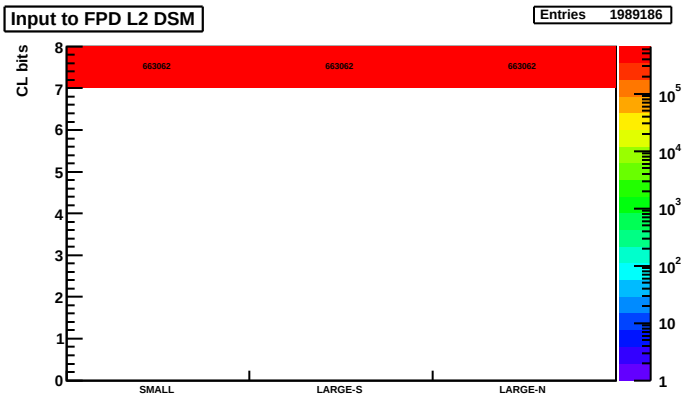

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

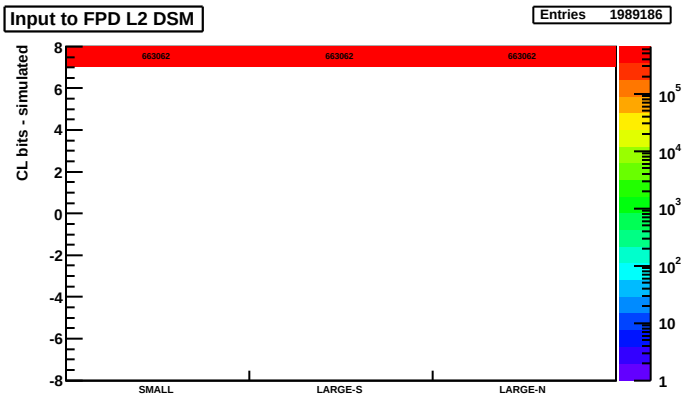

Input to FMS L1 DSM
Entries 7956744
FMS L1 HT bits
DSM board

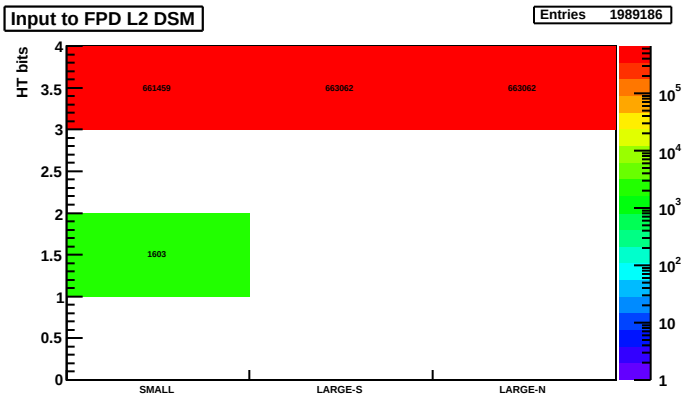

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

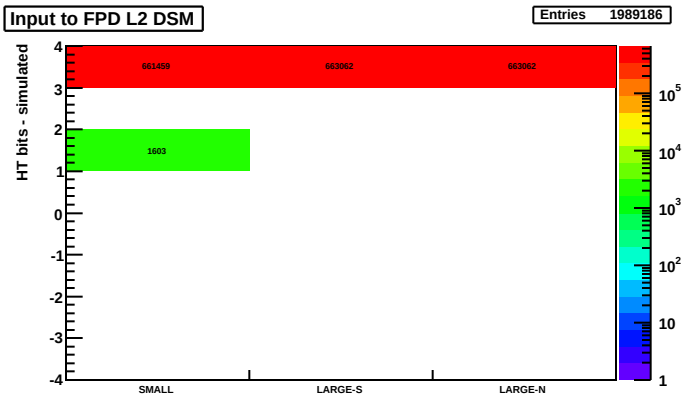

Input to FPD L2 DSM
Entries 5304496
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

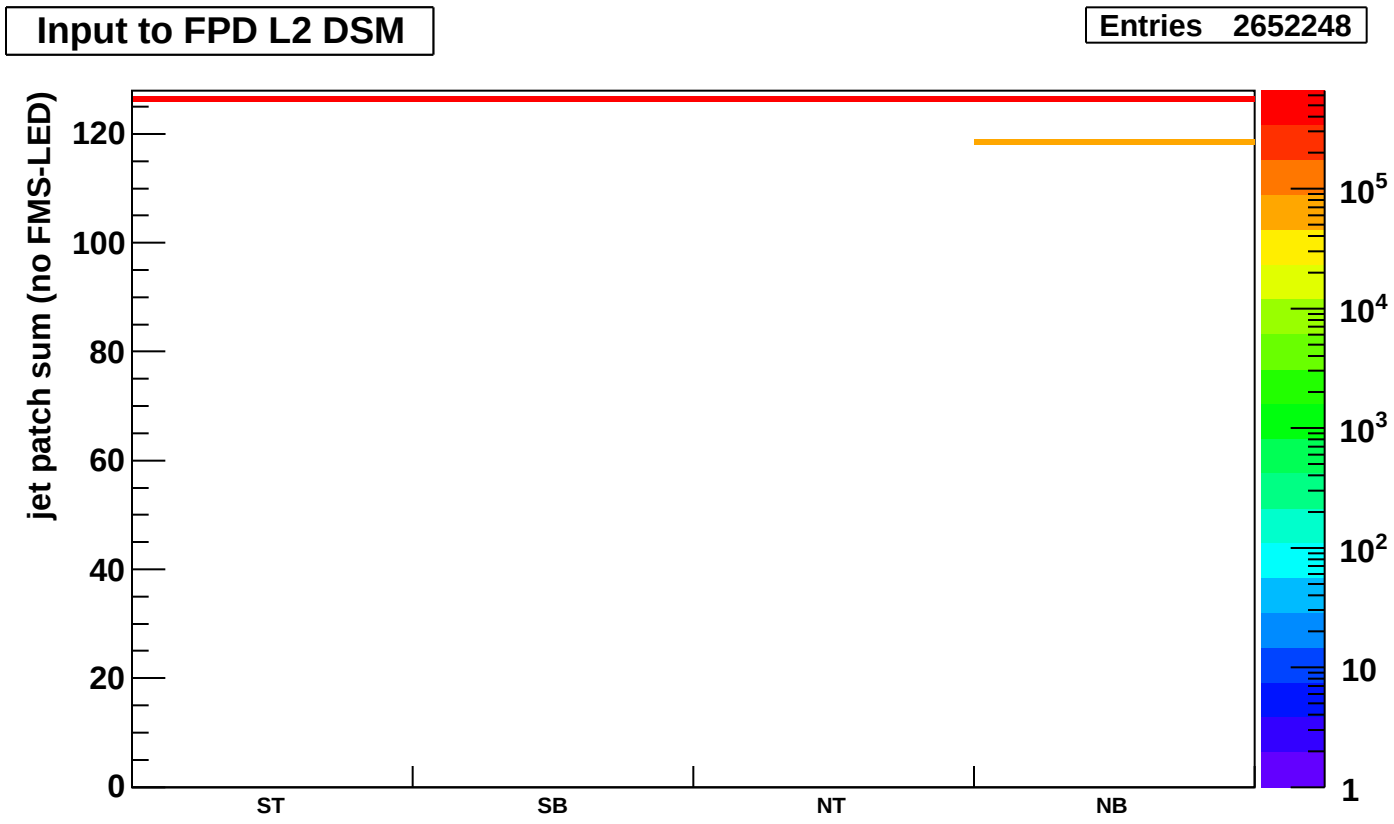

Input to FPD L2 DSM
Entries 5304496
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

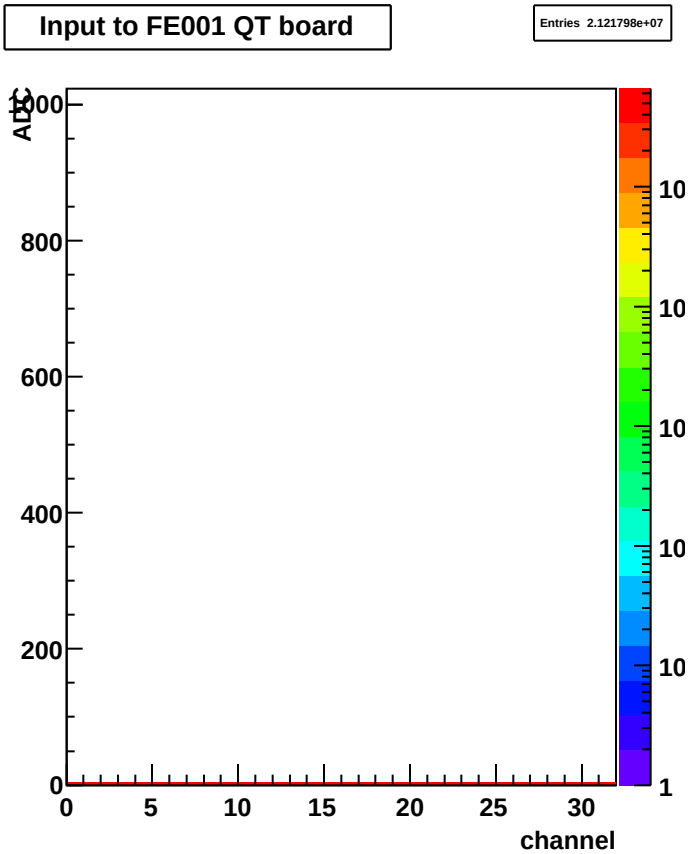

Input to FPD L2 DSM
Entries 1989186
CL bits
663062
663062
663062
SMALL
LARGE-S
LARGE-N

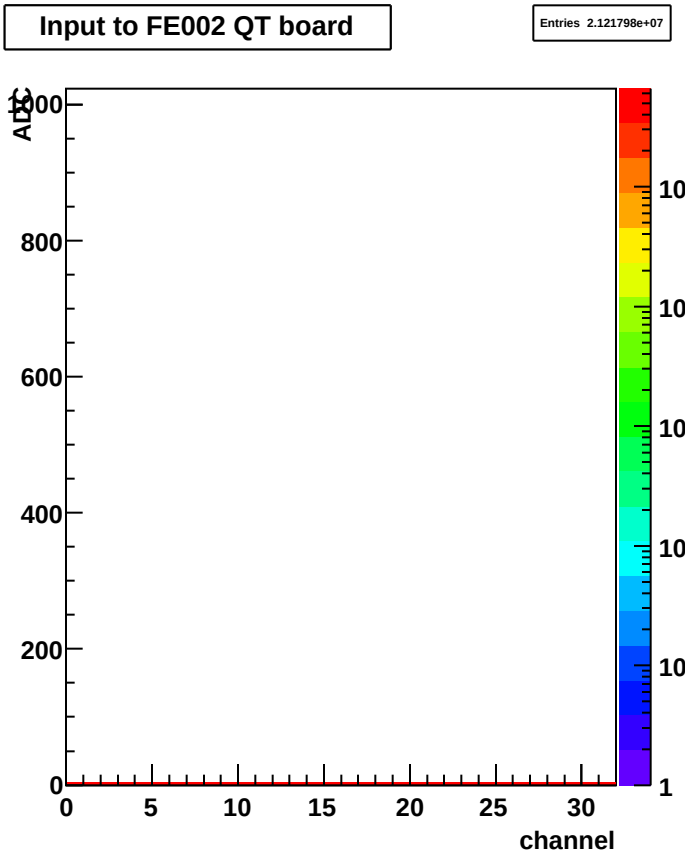

Input to FPD L2 DSM
Entries 1989186
CL bits - simulated
663062
663062
663062
SMALL
LARGE-S
LARGE-N

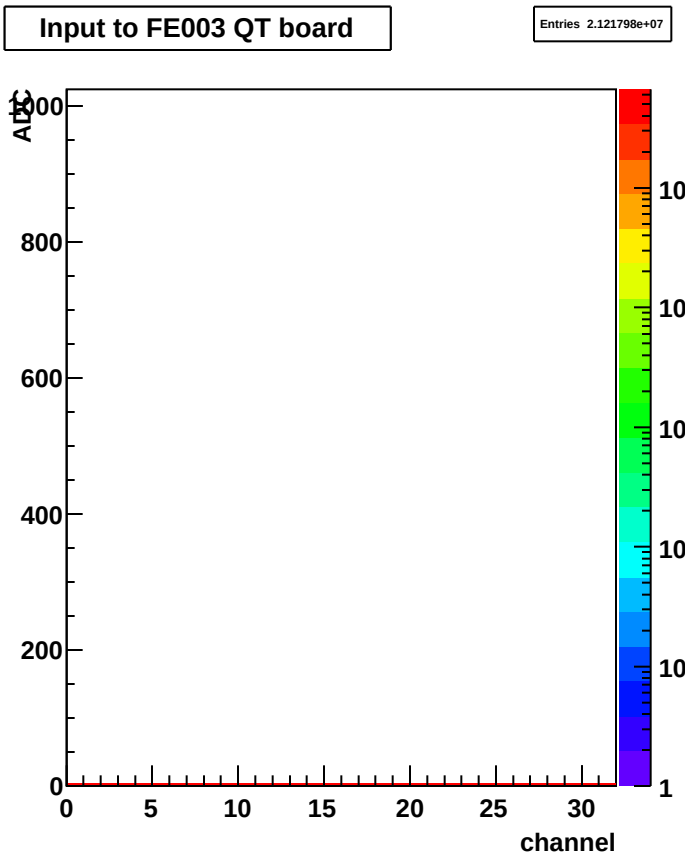

Input to FPD L2 DSM
Entries 1989186
HT bits
661459
663062
663062
1603
SMALL
LARGE-S
LARGE-N

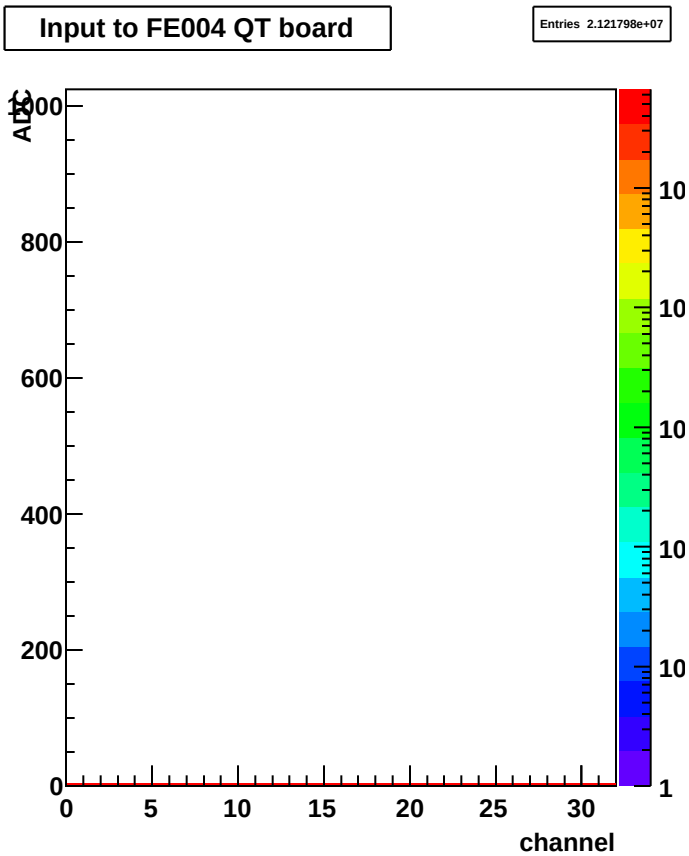

Input to FPD L2 DSM
Entries 1989186
HT bits - simulated
661459
663062
663062
1603
SMALL
LARGE-S
LARGE-N

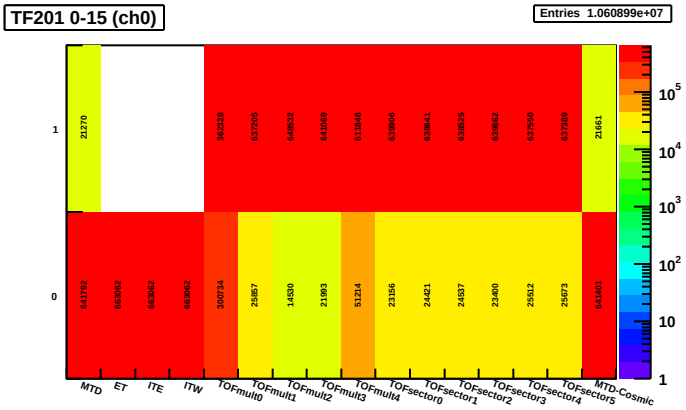

Input to FPD L2 DSM
Entries 2652248
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB
10^5
10^4
10^3
10^2
10
1

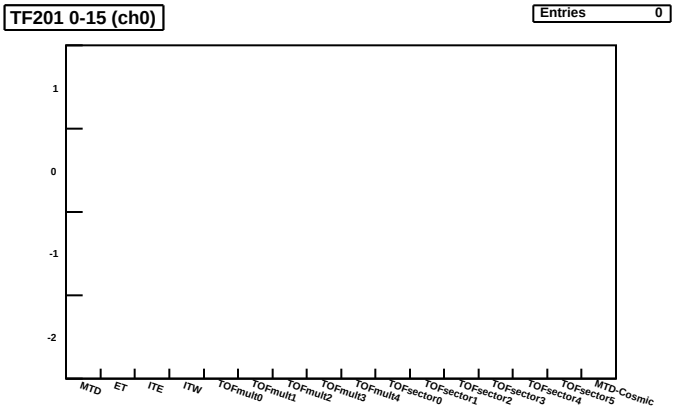

Input to FE001 QT board
Entries 2.121798e+07
ADC
channel

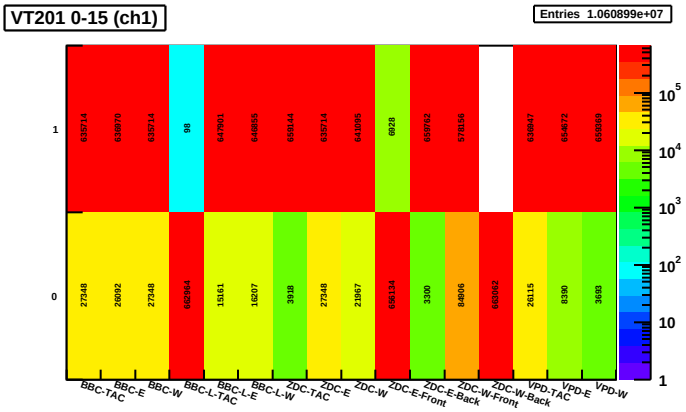

Input to FE002 QT board
Entries 2.121798e+07
ADC
channel

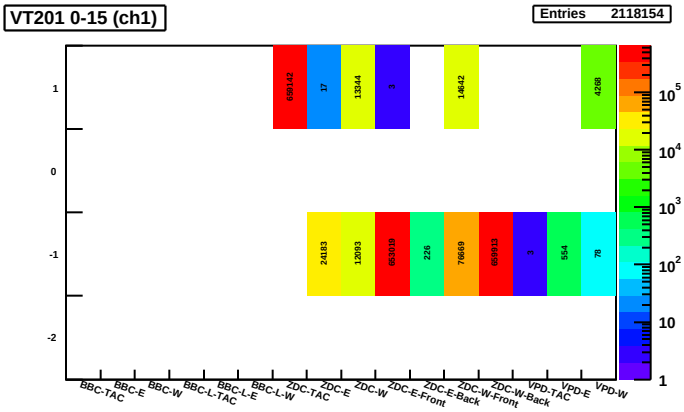

Input to FE003 QT board
Entries 2.121798e+07
ADC
channel

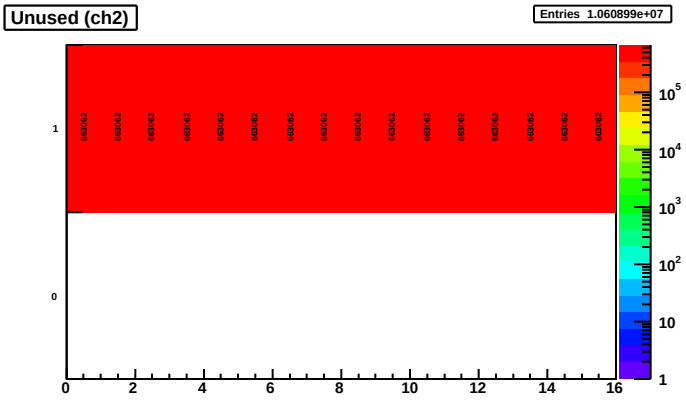

Input to FE004 QT board
Entries 2.121798e+07
ADC
channel

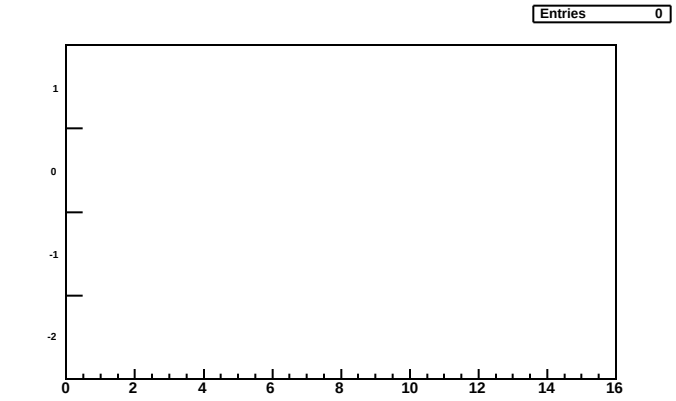

TF201 0-15 (ch0)
Entries 1.060899e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

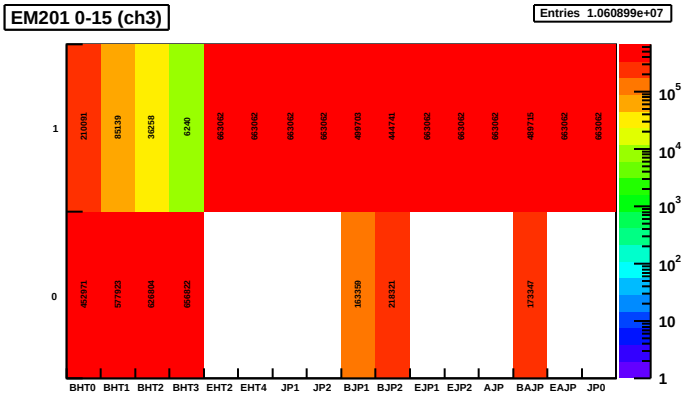

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

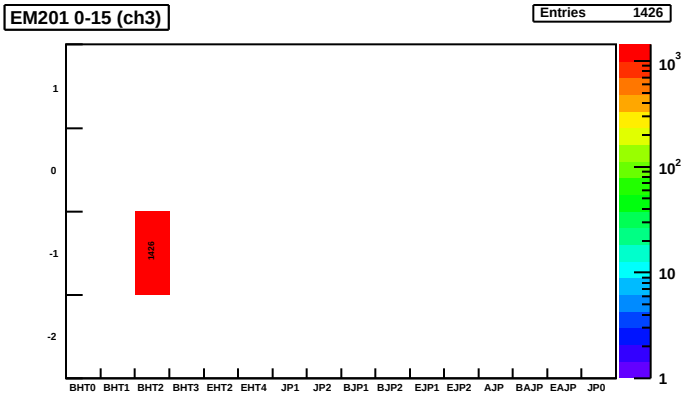

VT201 0-15 (ch1)
Entries 1.060899e+07
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 2118154
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

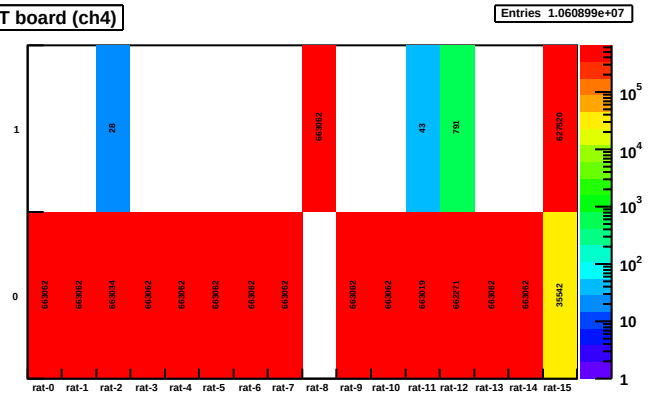

Unused (ch2)
Entries 1.060899e+07

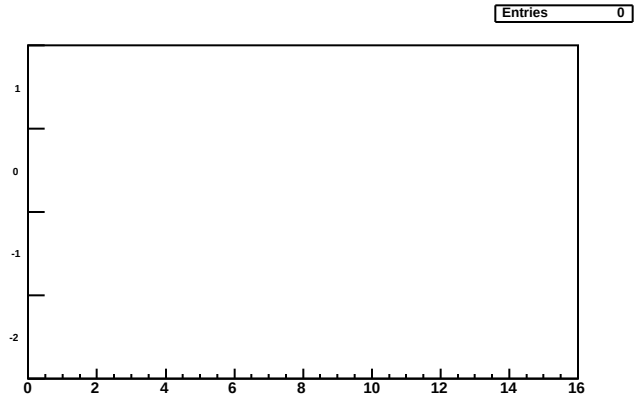

Entries 0


EM201 0-15 (ch3)
Entries 1.060899e+07
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

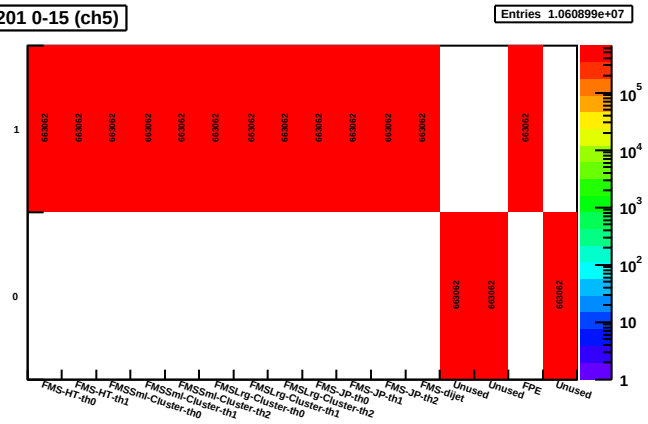

EM201 0-15 (ch3)
Entries 1426
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

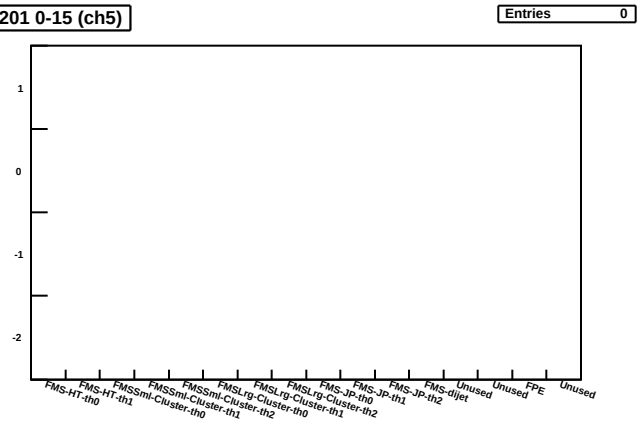




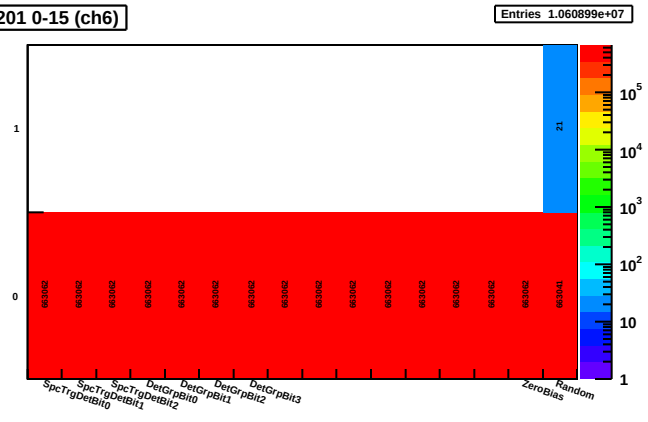
FP201 0-15 (ch5)

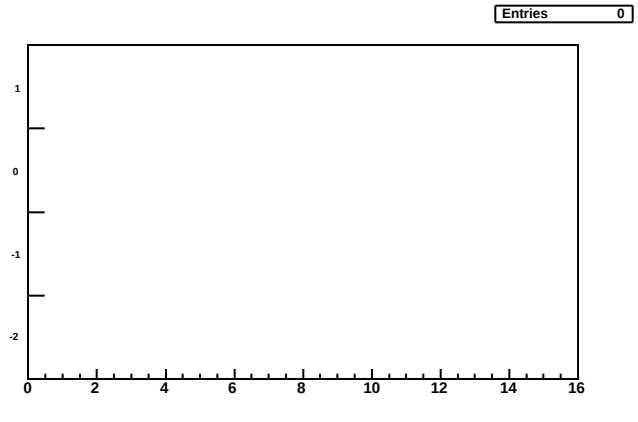
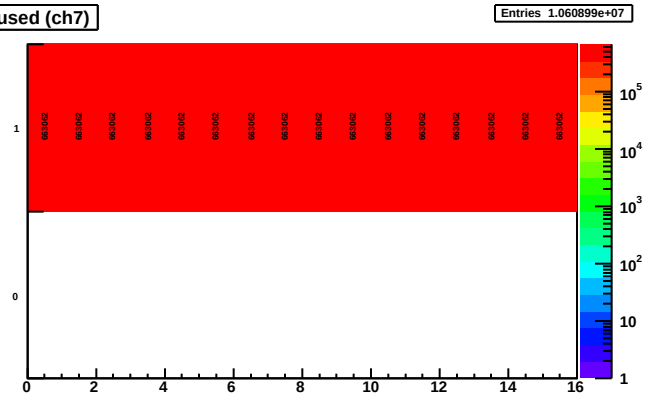
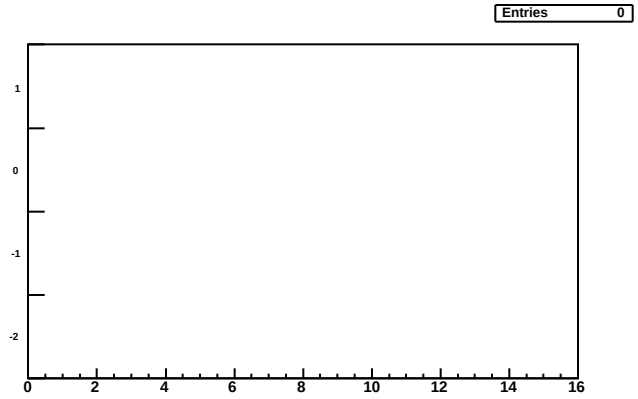


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)