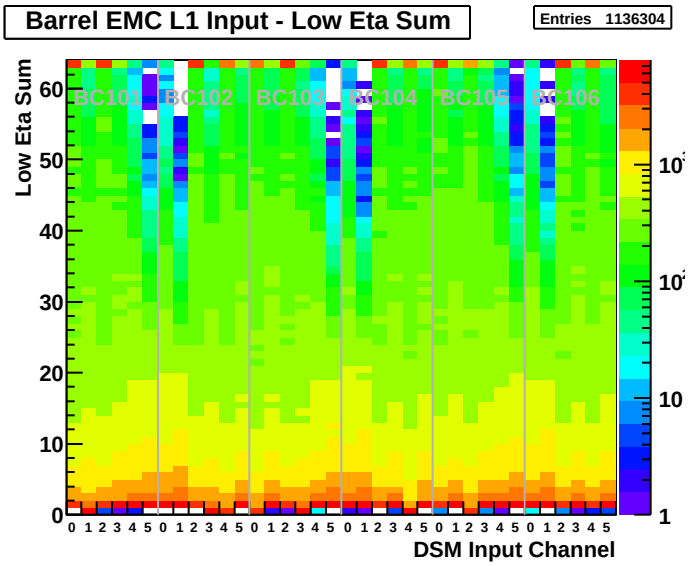
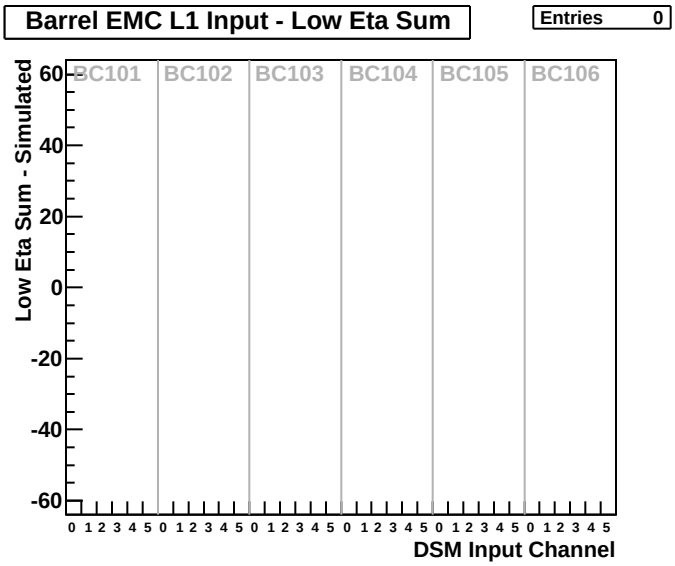
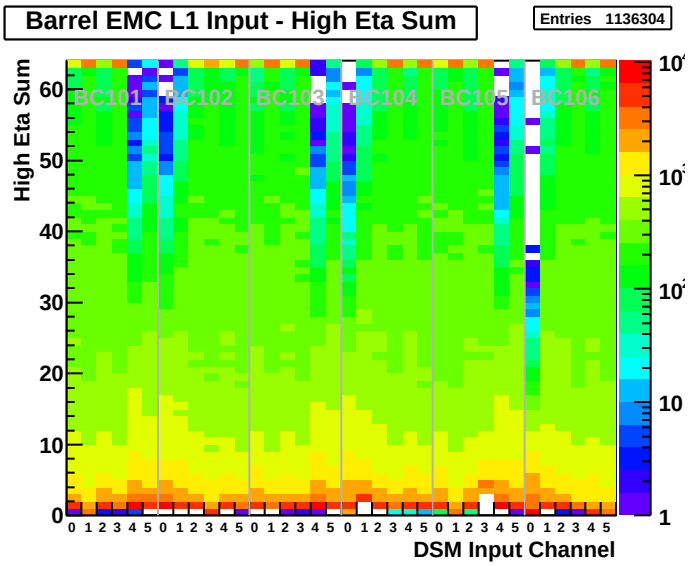
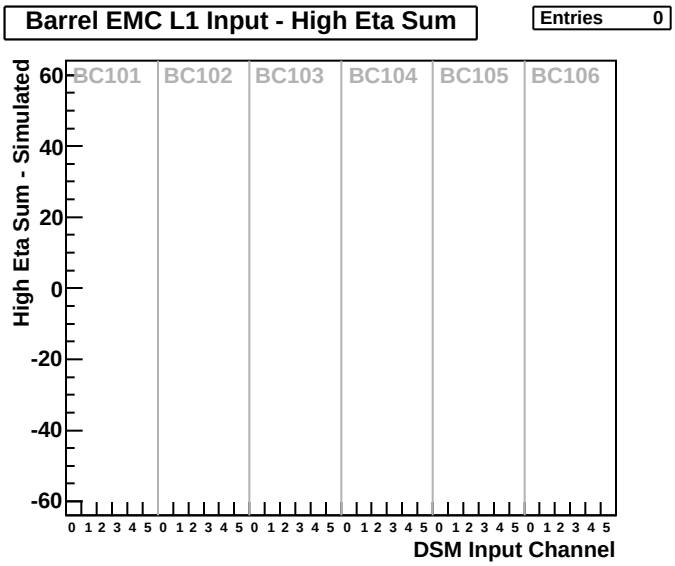
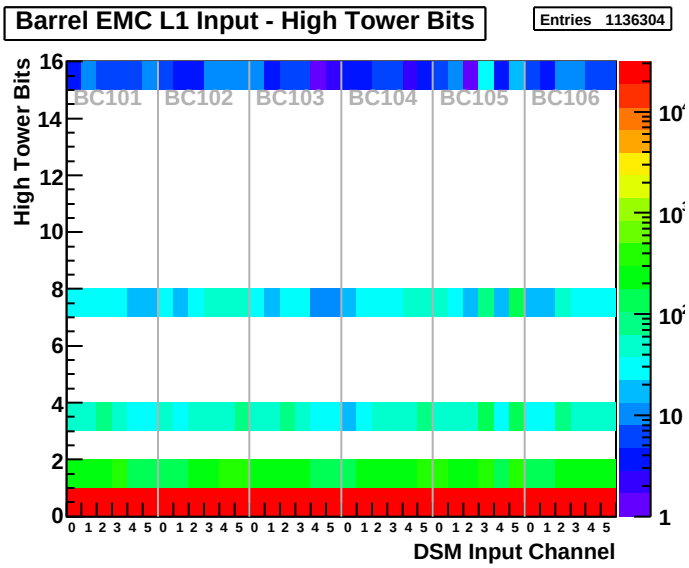
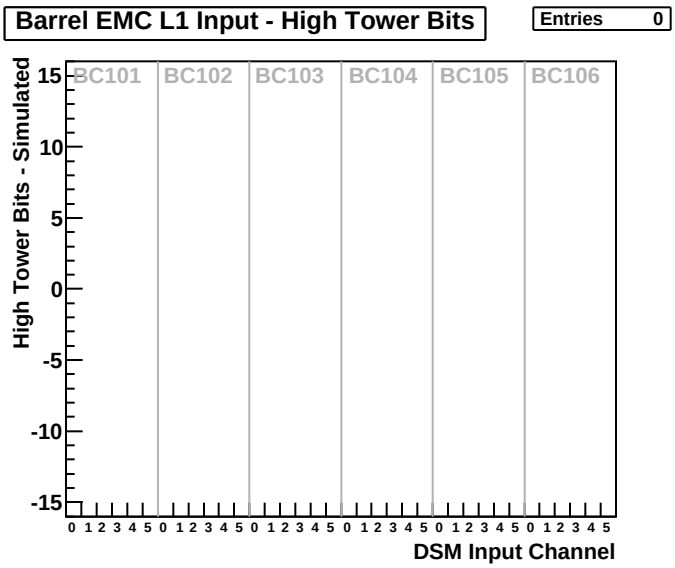

Barrel EMC L1 Input - Low Eta Sum
Entries 1136304
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

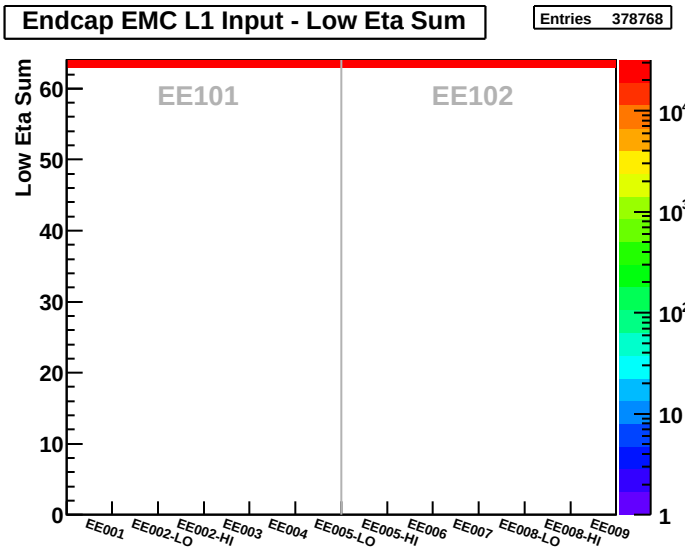

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

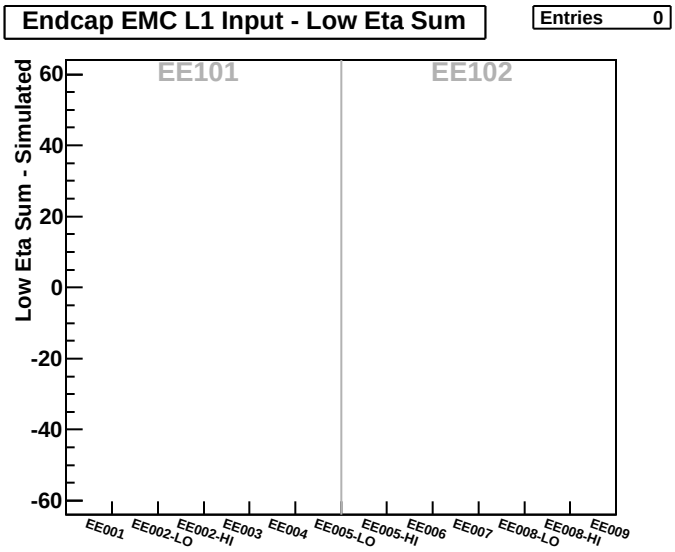

Barrel EMC L1 Input - High Eta Sum
Entries 1136304
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

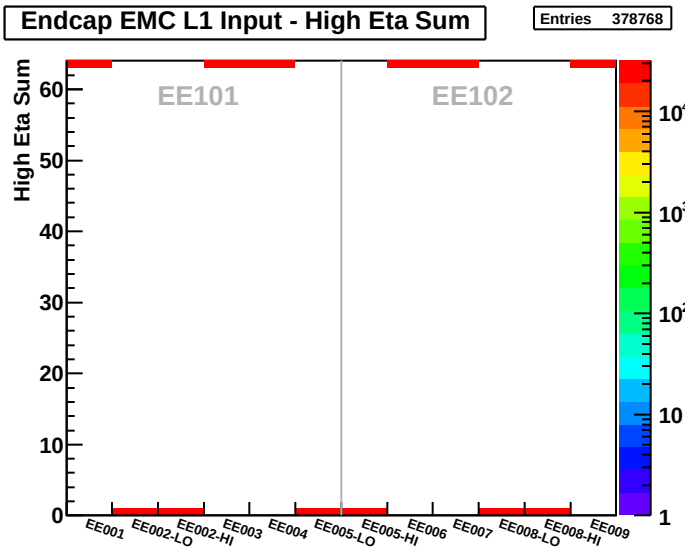

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

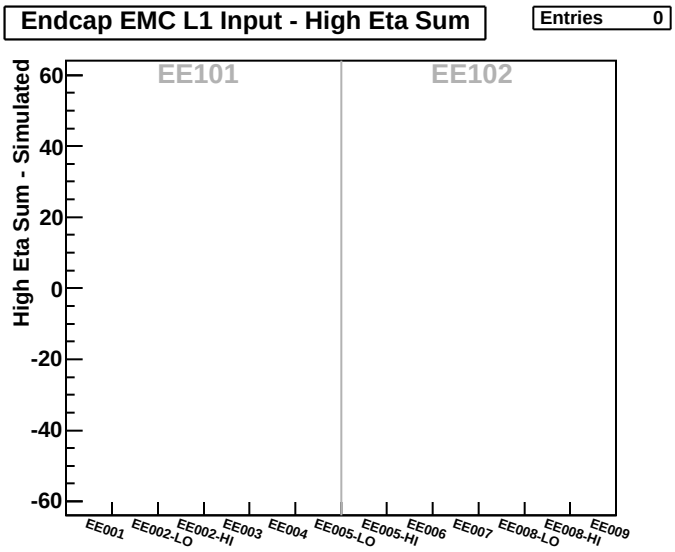

Barrel EMC L1 Input - High Tower Bits
Entries 1136304
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

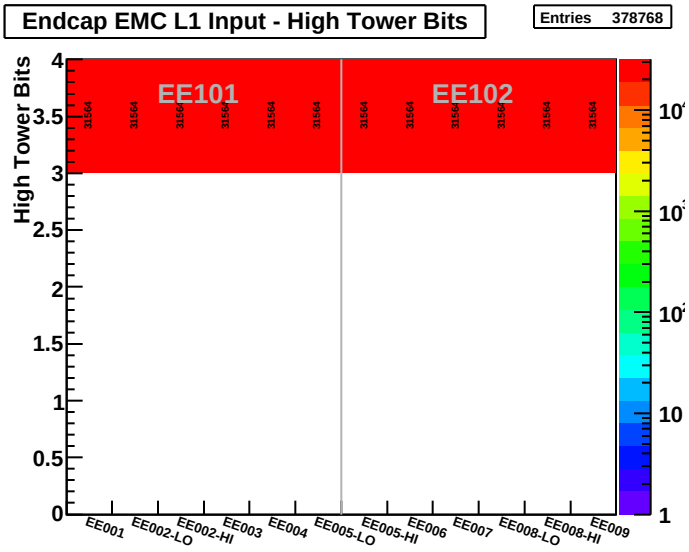

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

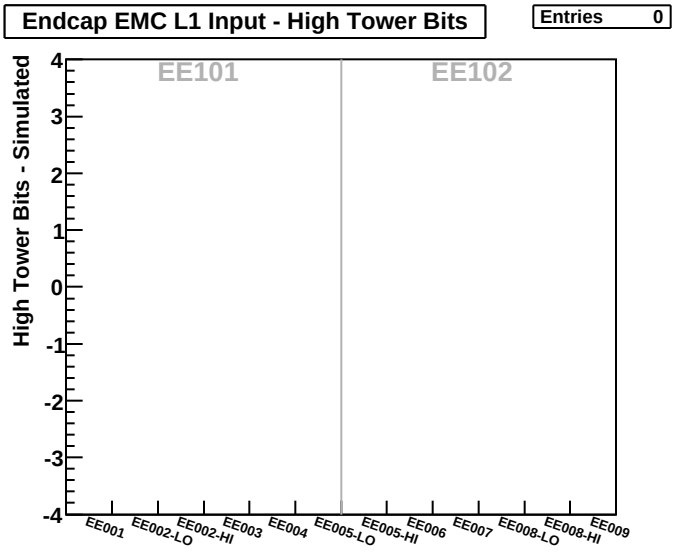

Endcap EMC L1 Input - Low Eta Sum
Entries 378768
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

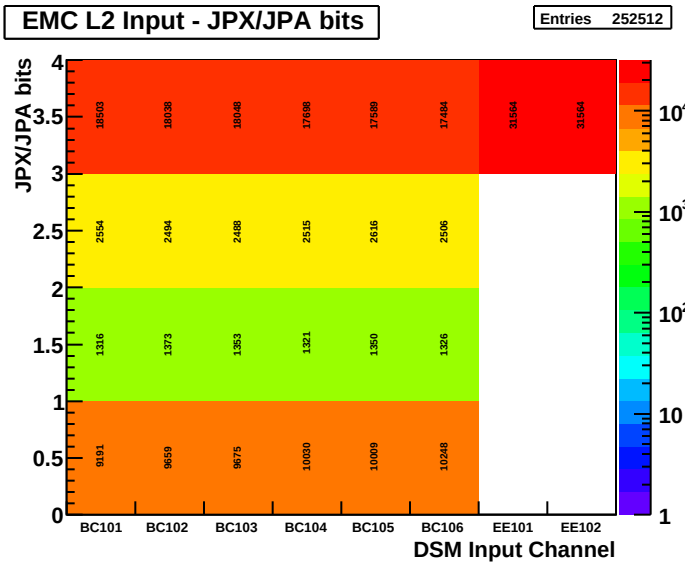

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

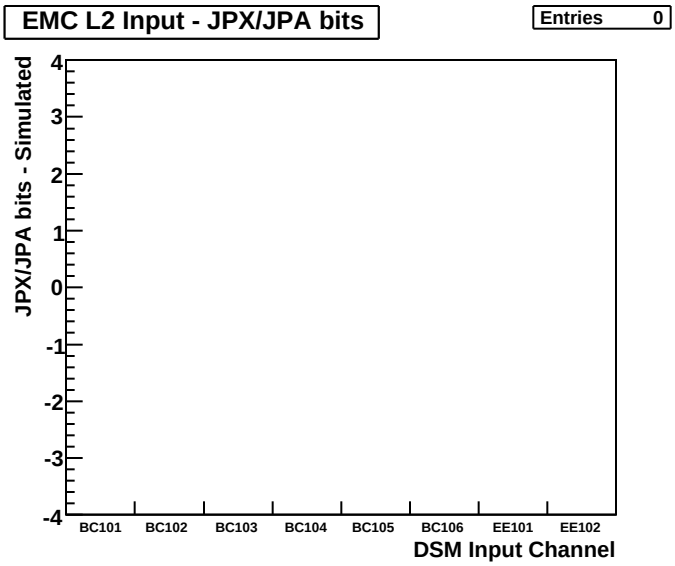

Endcap EMC L1 Input - High Eta Sum
Entries 378768
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

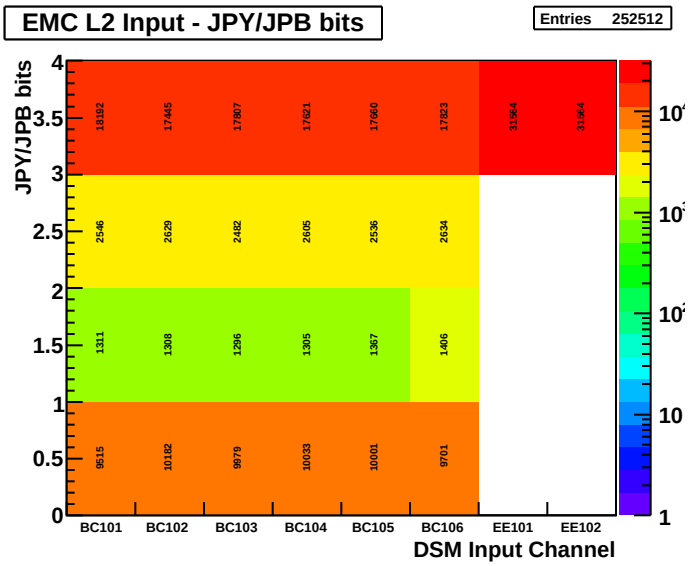

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

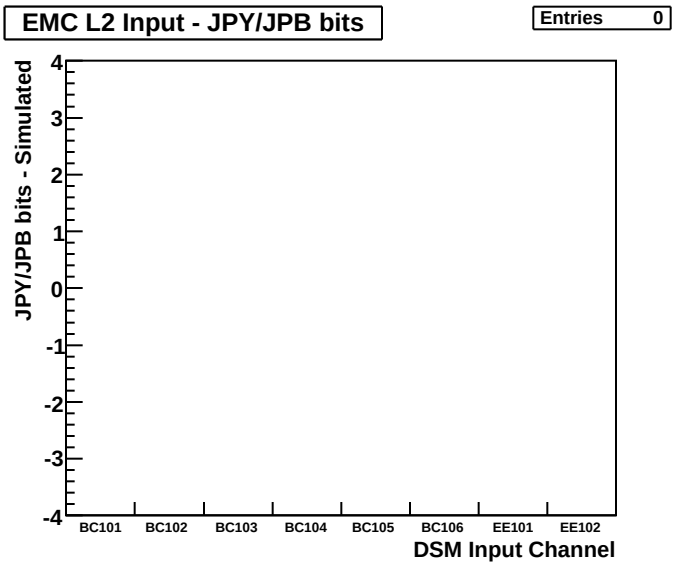

Endcap EMC L1 Input - High Tower Bits
Entries 378768
High Tower Bits
EE101
EE102
31564
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

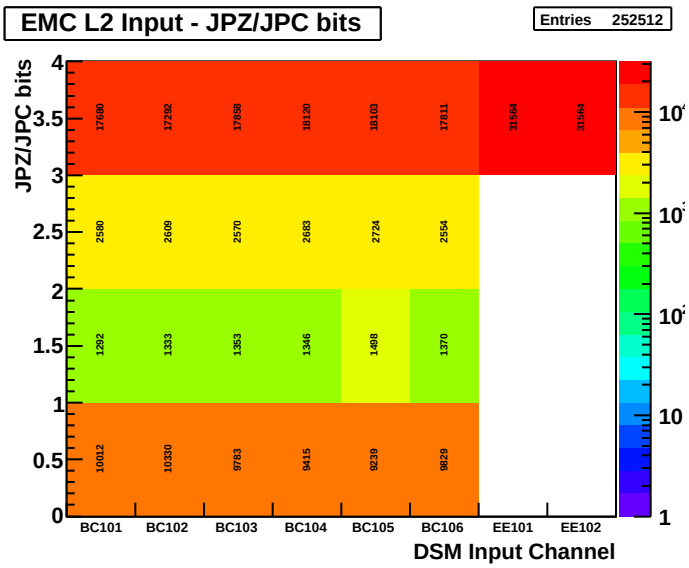

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

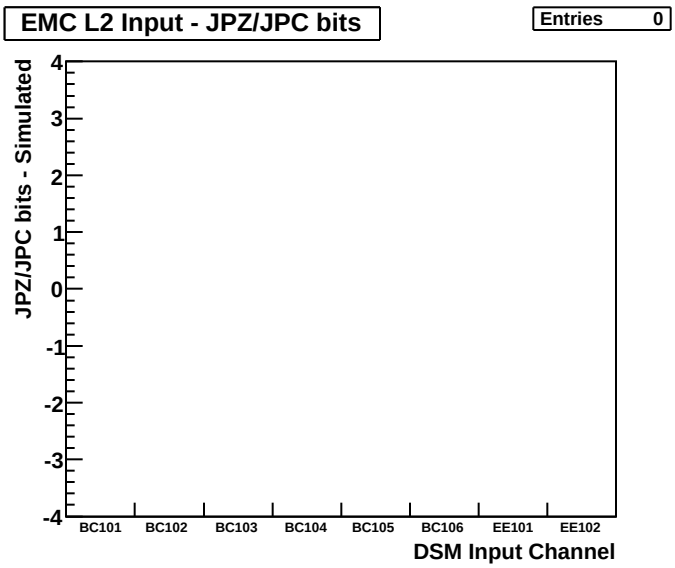

EMC L2 Input - JPX/JPA bits
Entries 252512
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
18503 18038 18048 17698 17589 17484 31564 31564
2554 2494 2488 2515 2616 2506
1316 1373 1353 1321 1350 1326
9191 9659 9675 10030 10009 10248

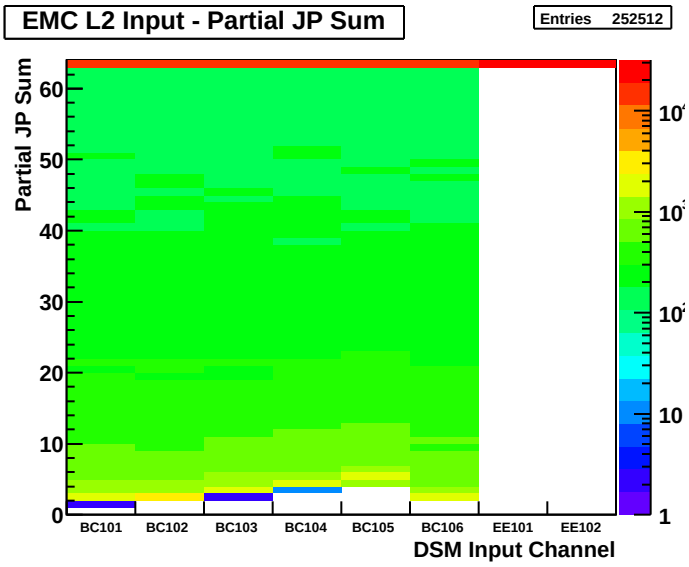

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

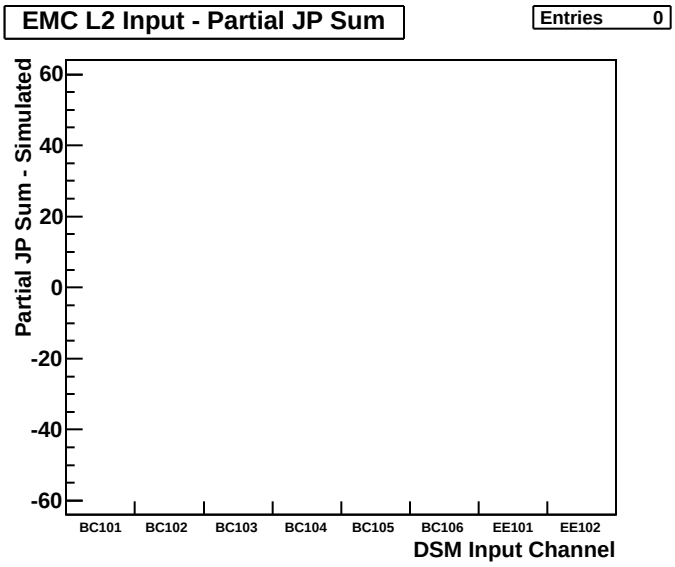

EMC L2 Input - JPY/JPB bits
Entries 252512
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
18192 17445 17807 17621 17660 17823 31564 31564
2546 2629 2482 2605 2536 2634
1311 1308 1296 1305 1367 1406
9515 10182 9979 10033 10001 9701

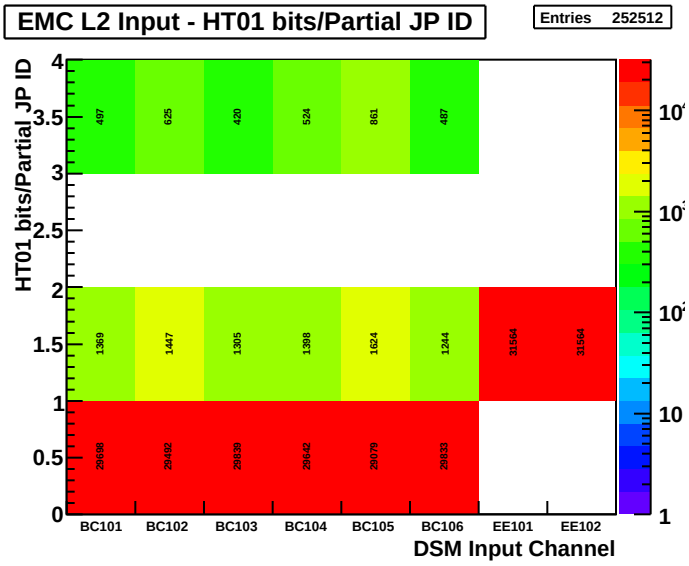

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

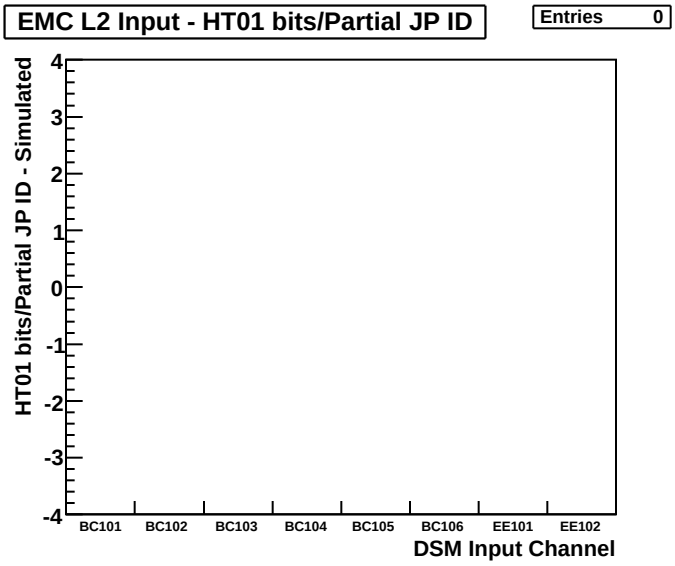

EMC L2 Input - JPZ/JPC bits
Entries 252512
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
17680 17292 17858 18120 18103 17811 31564 31564
2580 2609 2570 2683 2724 2554
1292 1333 1353 1346 1498 1370
10012 10330 9783 9415 9239 9829

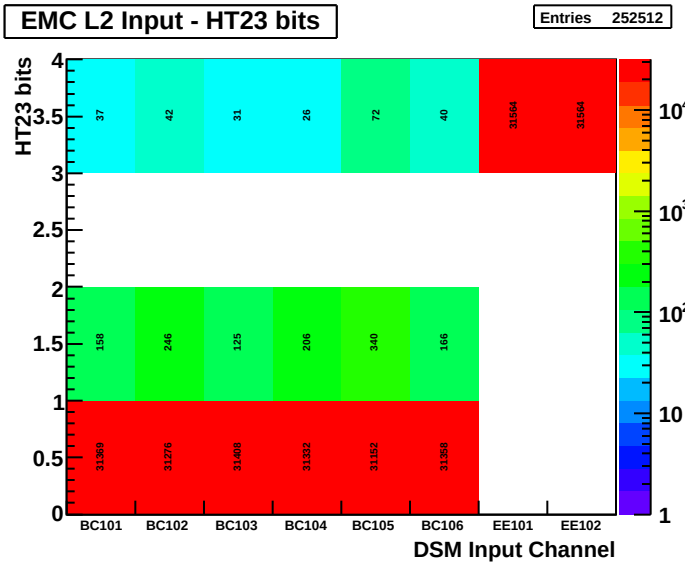

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

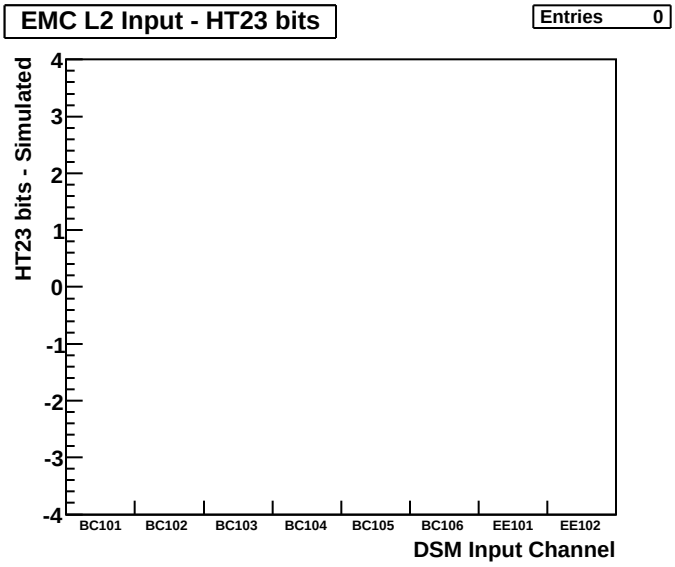

EMC L2 Input - Partial JP Sum
Entries 252512
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

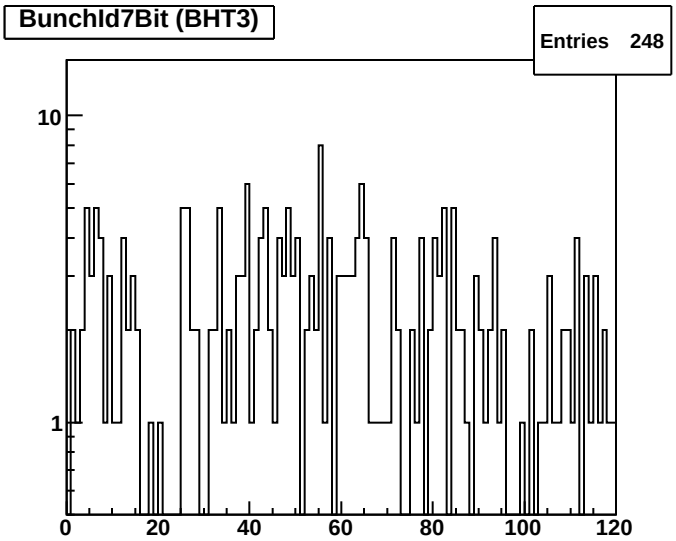

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

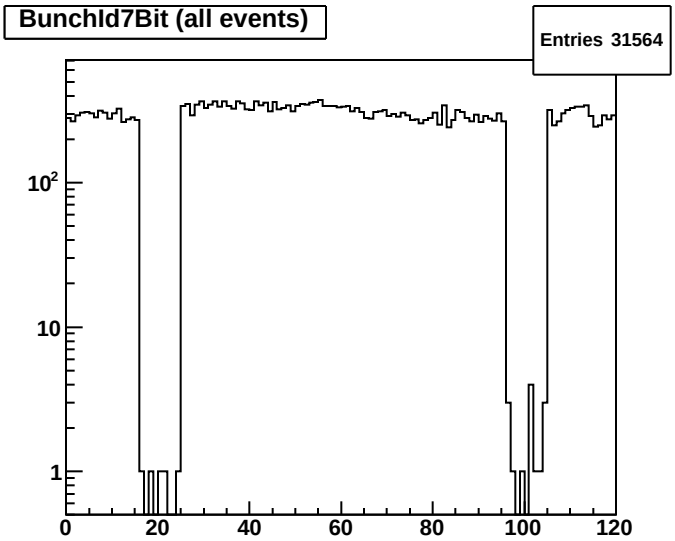

EMC L2 Input - HT01 bits/Partial JP ID
Entries 252512
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

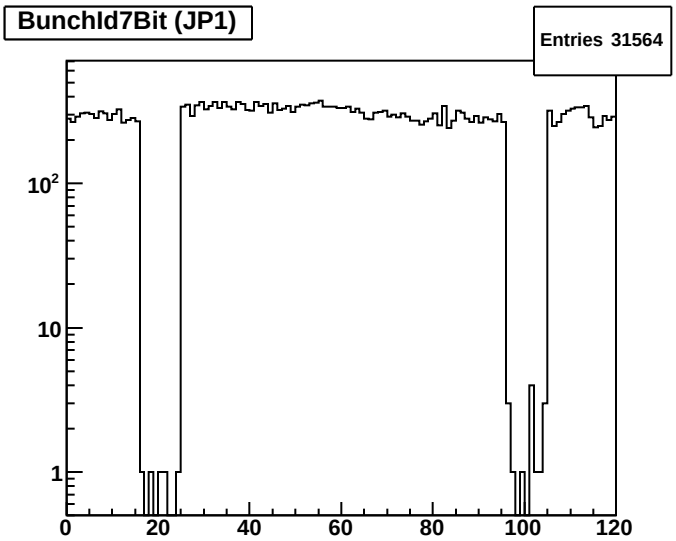

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

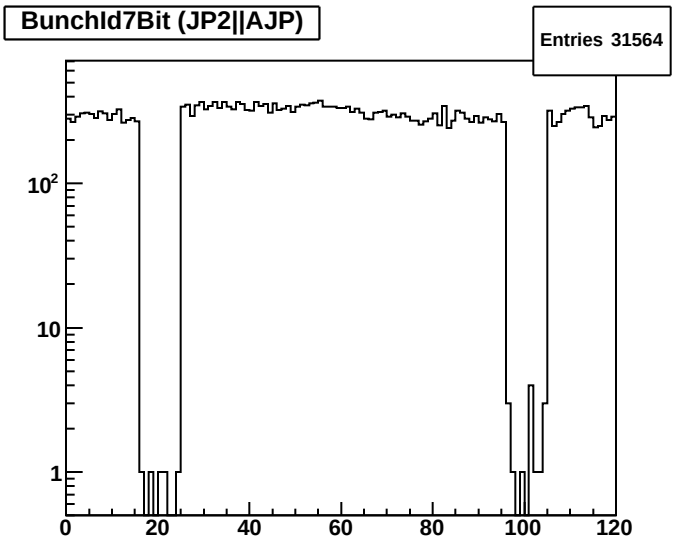

EMC L2 Input - HT23 bits
Entries 252512
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

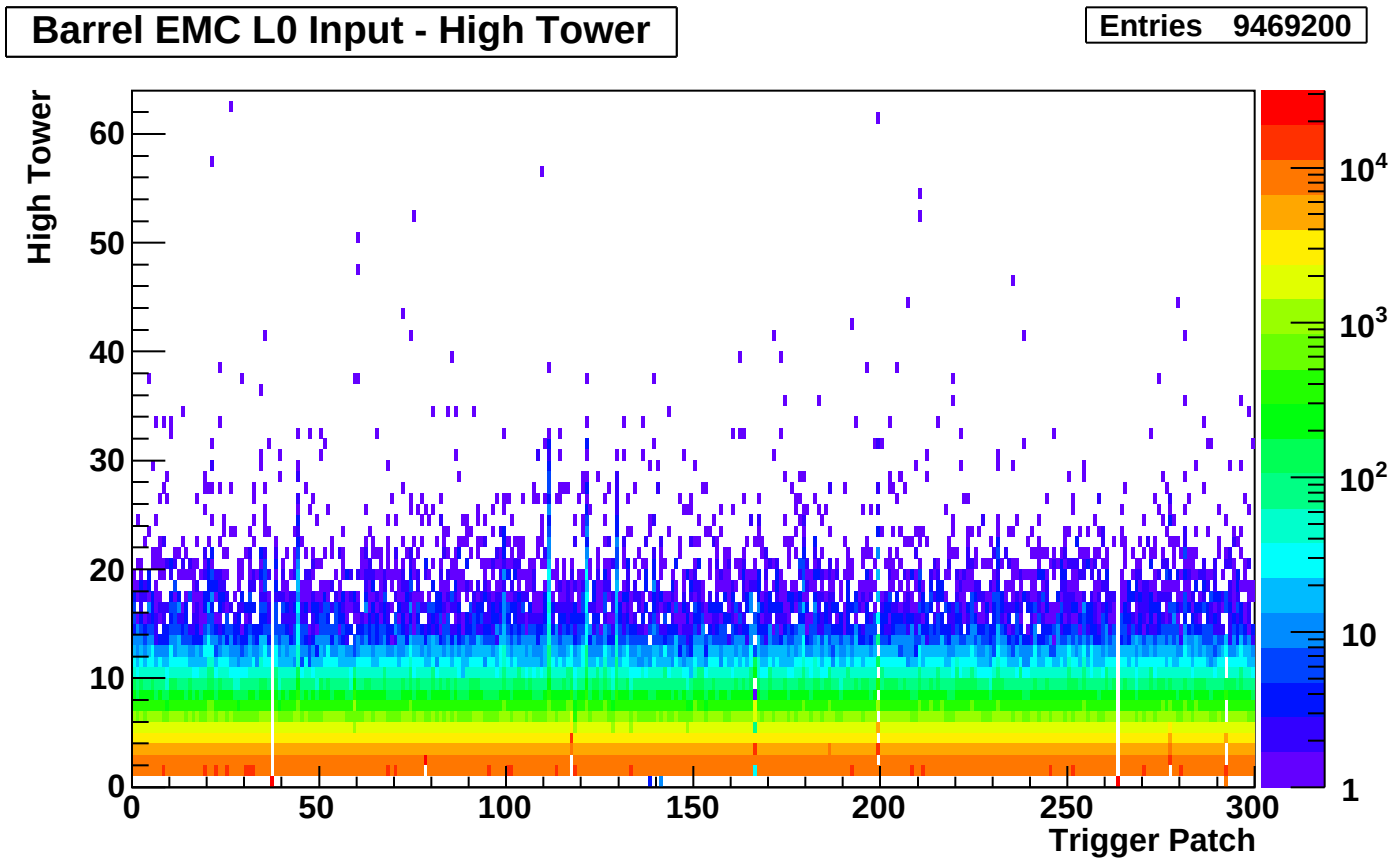

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

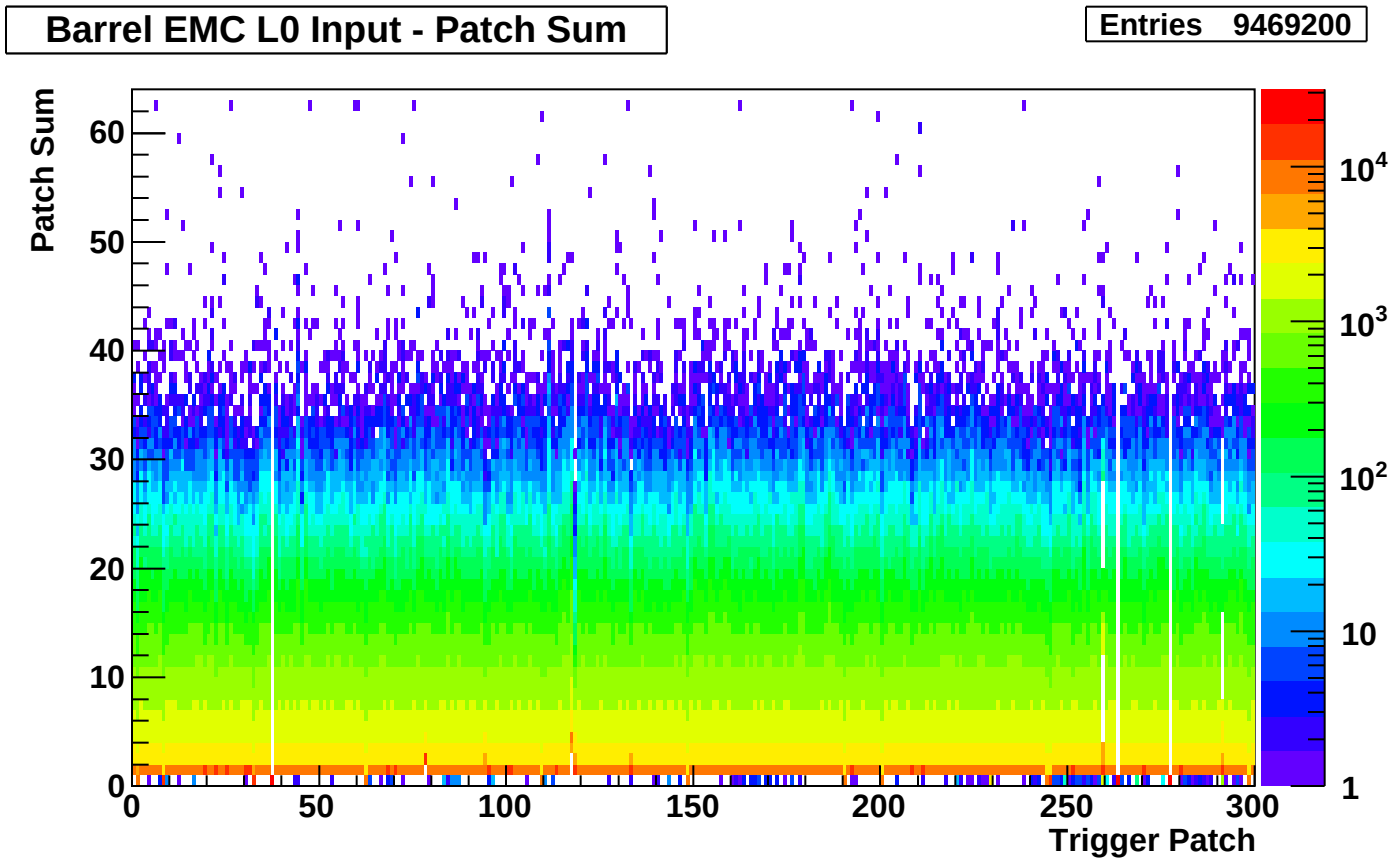

BunchId7Bit (BHT3)
Entries 248
10
1
0
20
40
60
80
100
120

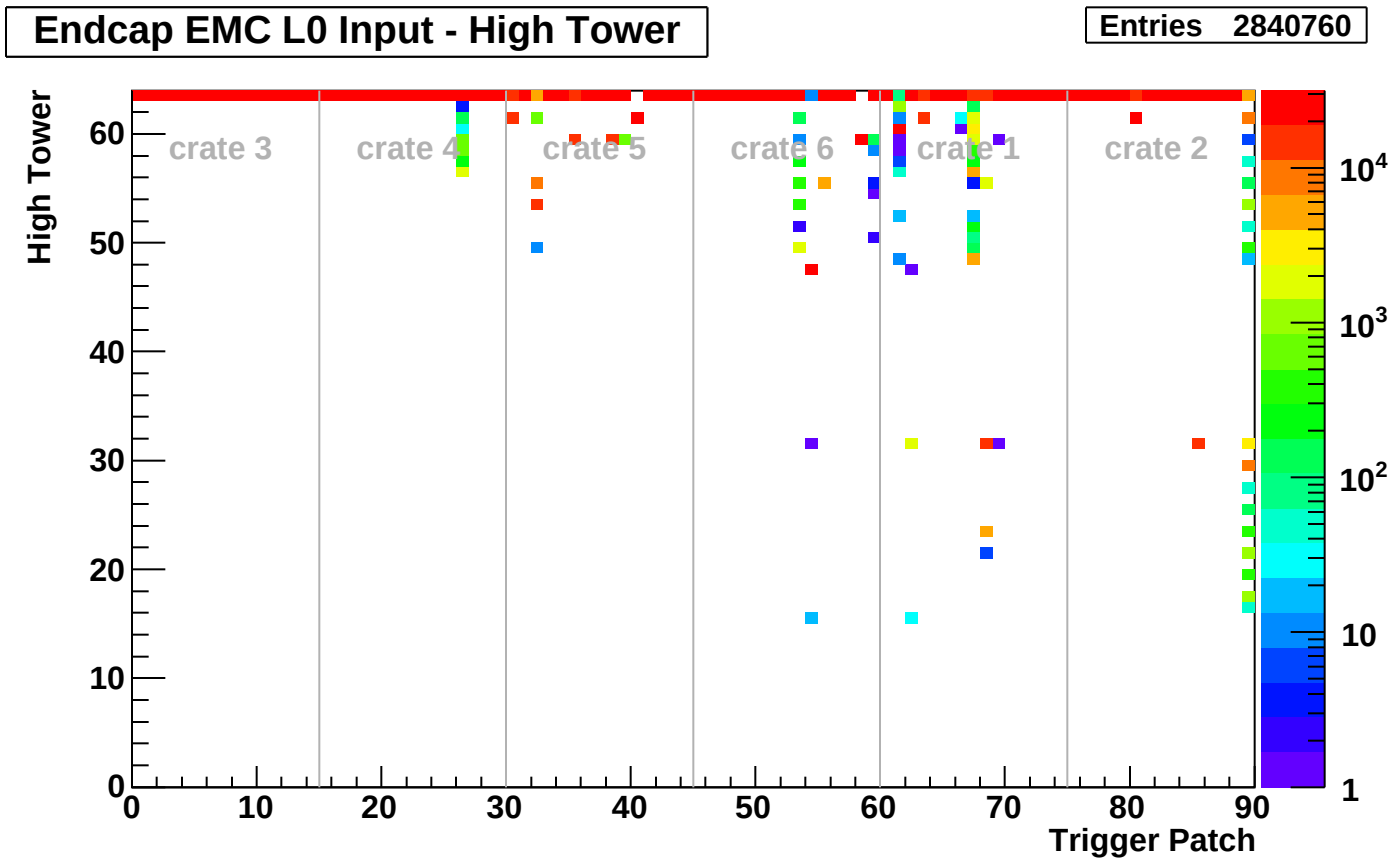

BunchId7Bit (all events)
Entries 31564
10^2
10
1
0
20
40
60
80
100
120

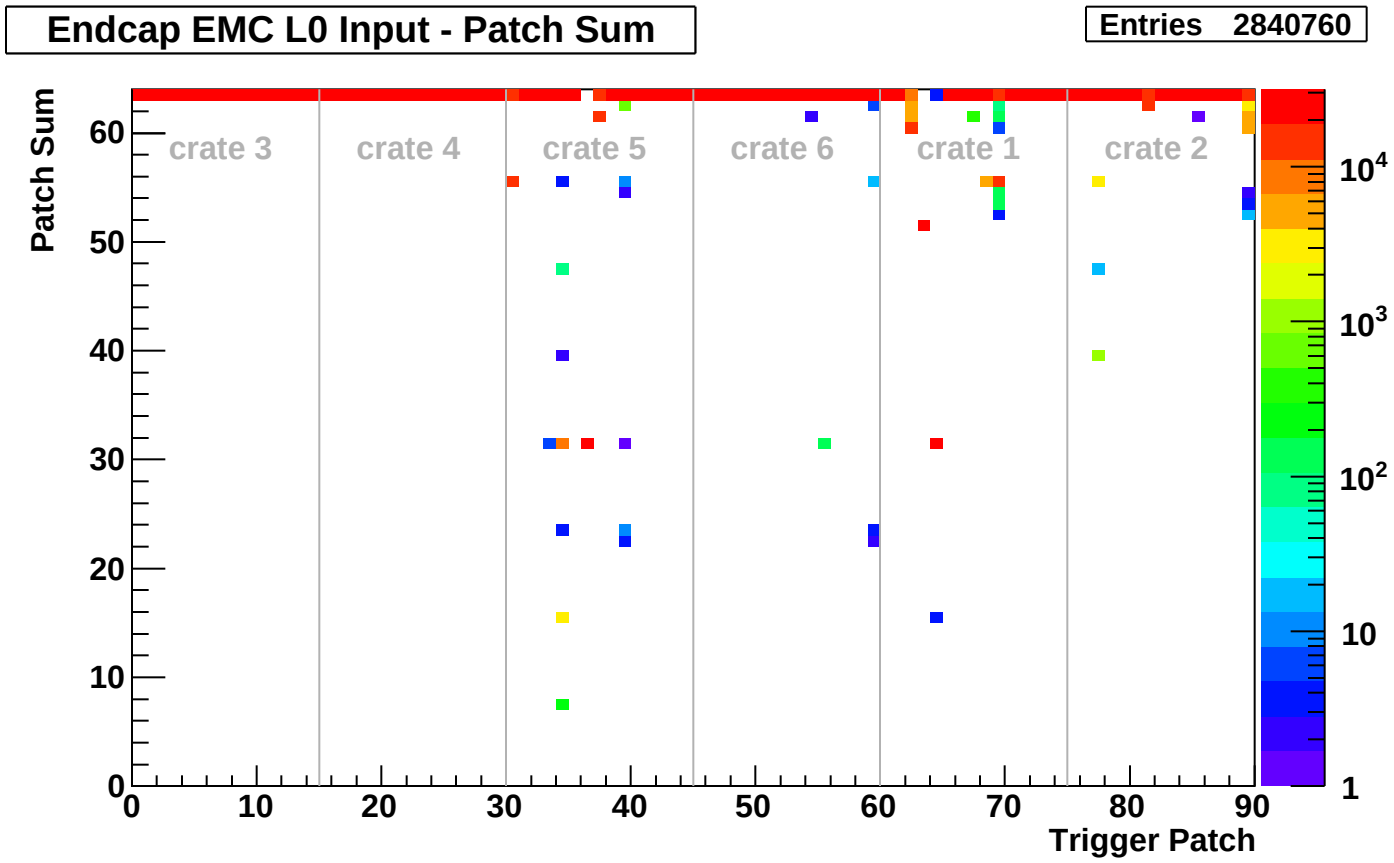

BunchId7Bit (JP1)
Entries 31564
10^2
10
1
0
20
40
60
80
100
120

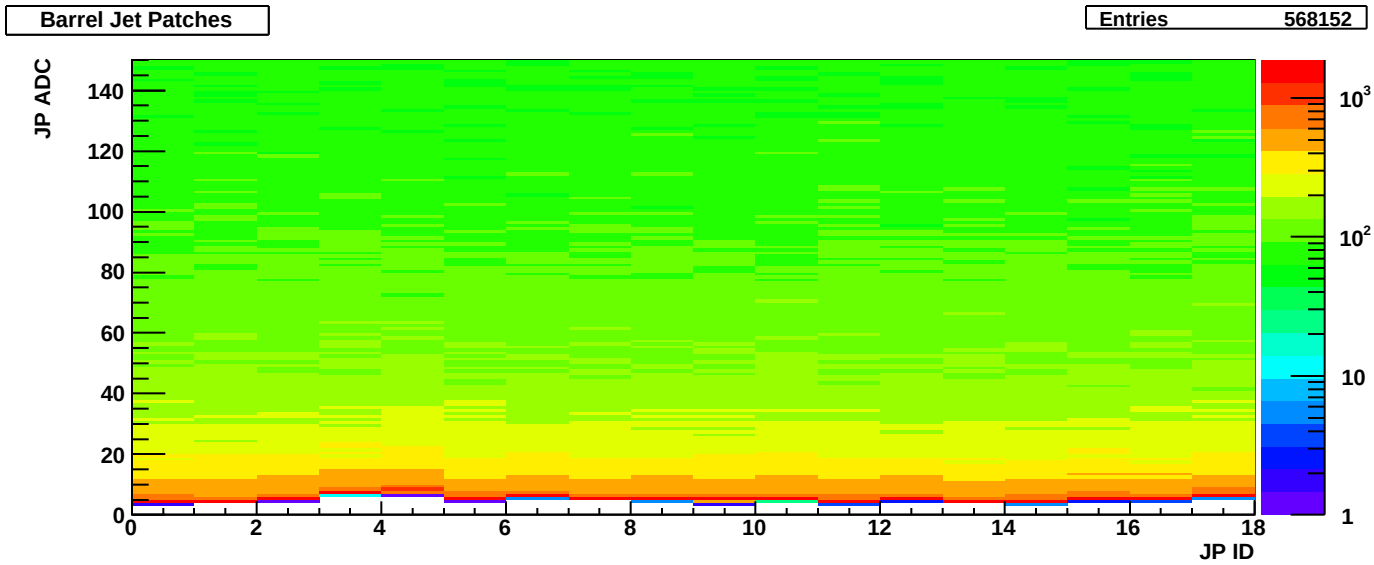

BunchId7Bit (JP2||AJP)
Entries 31564
10^2
10
1
0
20
40
60
80
100
120

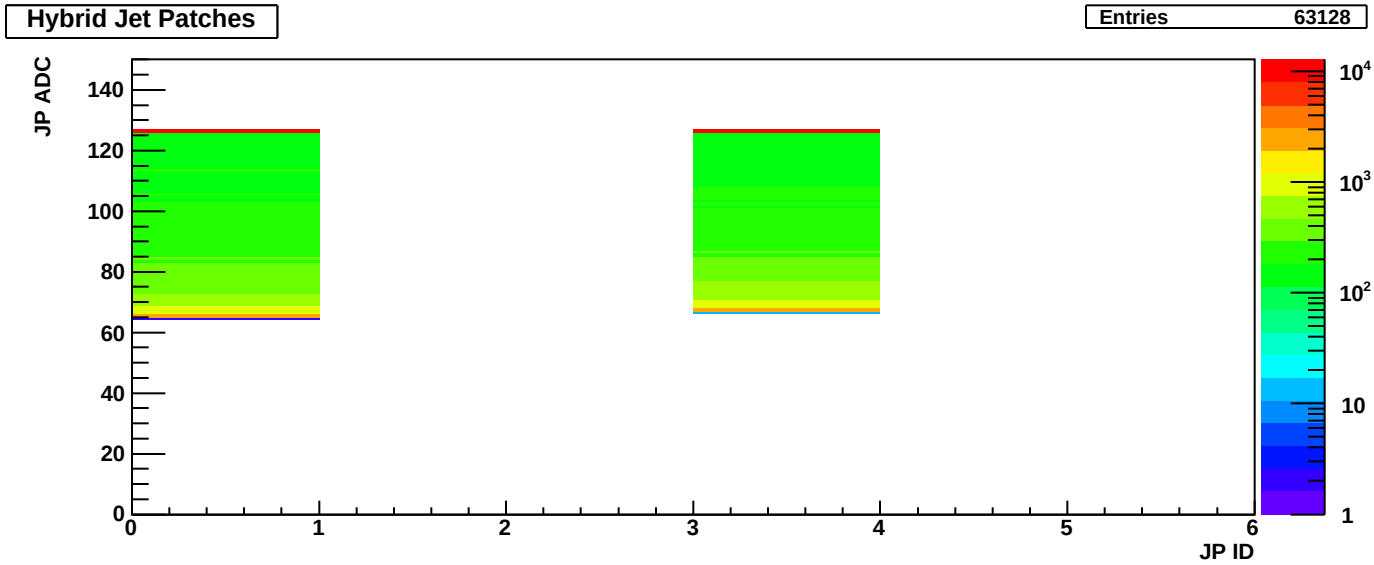

Barrel EMC L0 Input - High Tower
Entries 9469200
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

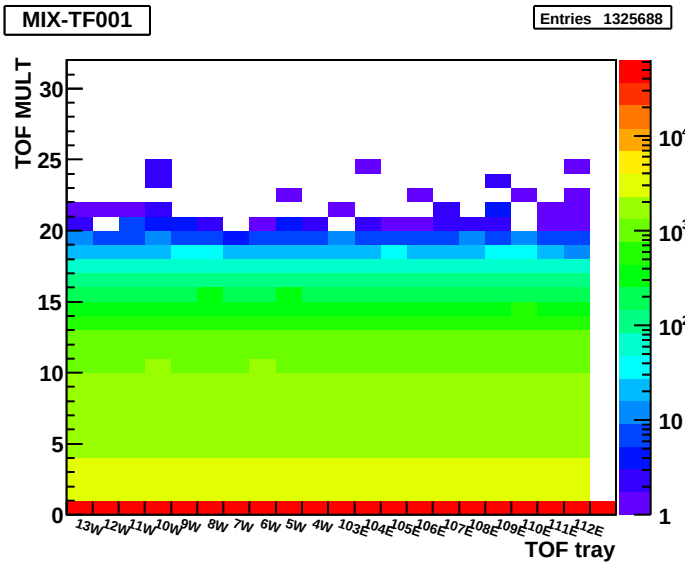

Barrel EMC L0 Input - Patch Sum
Entries 9469200
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

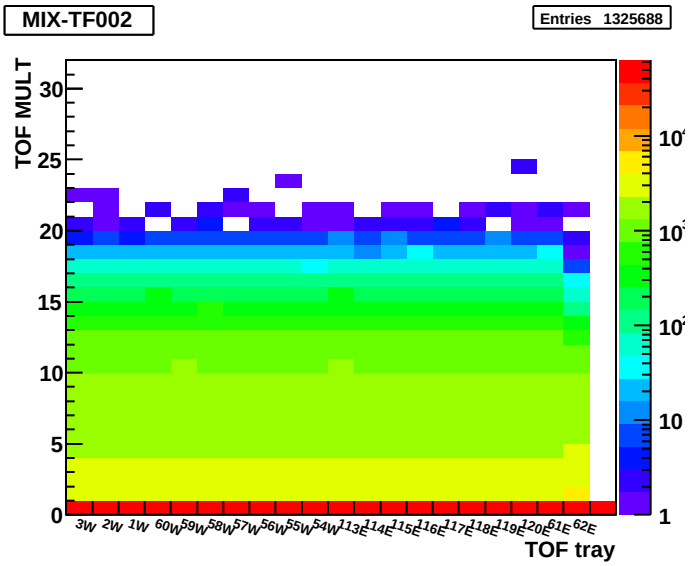

Endcap EMC L0 Input - High Tower
Entries 2840760
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

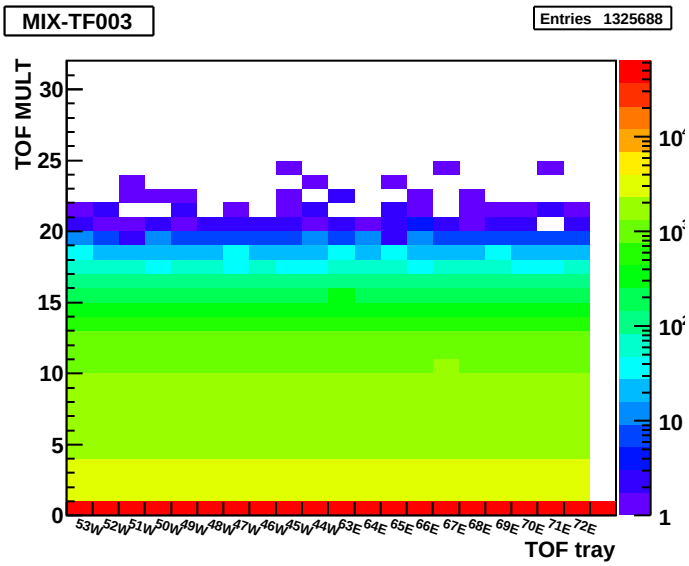

Endcap EMC L0 Input - Patch Sum
Entries 2840760
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

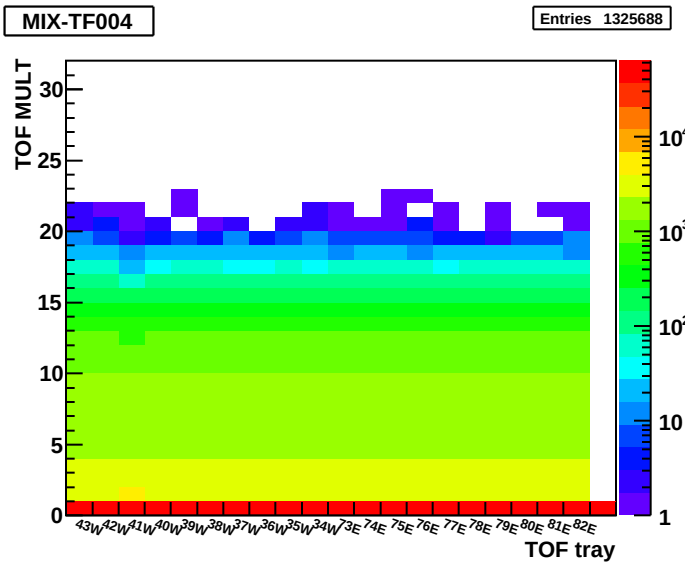

Barrel Jet Patches
Entries 568152
JP ADC
JP ID

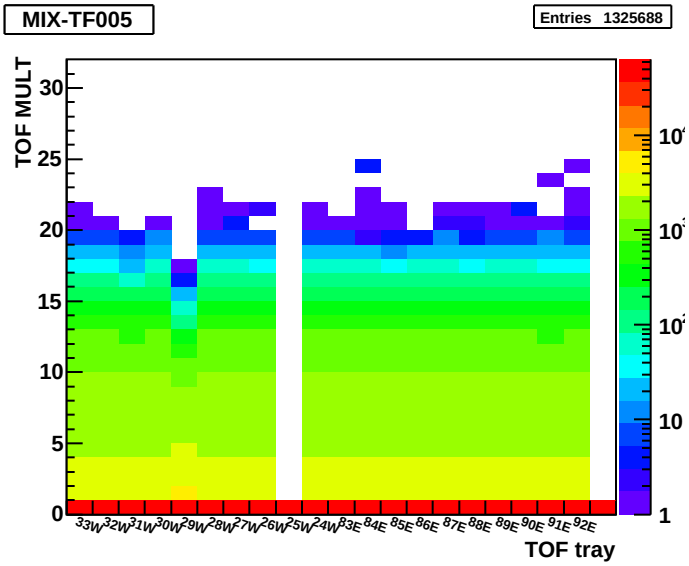

Hybrid Jet Patches
Entries 63128
JP ADC
JP ID

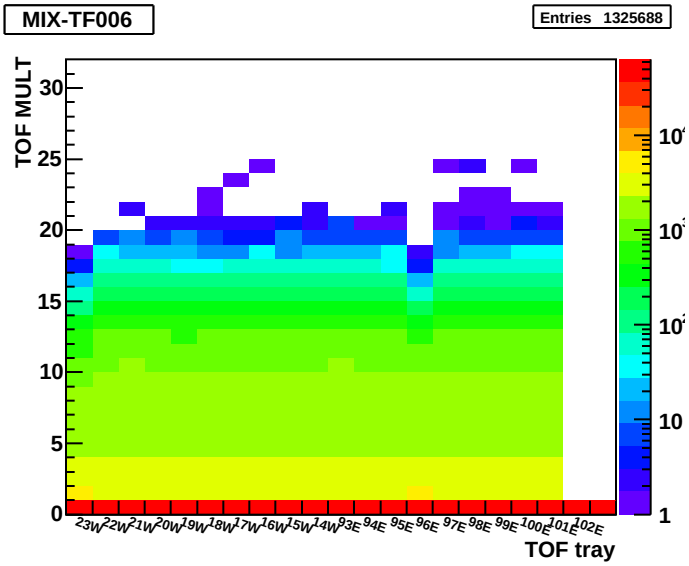

MIX-TF001
Entries 1325688
TOF MULT
TOF tray

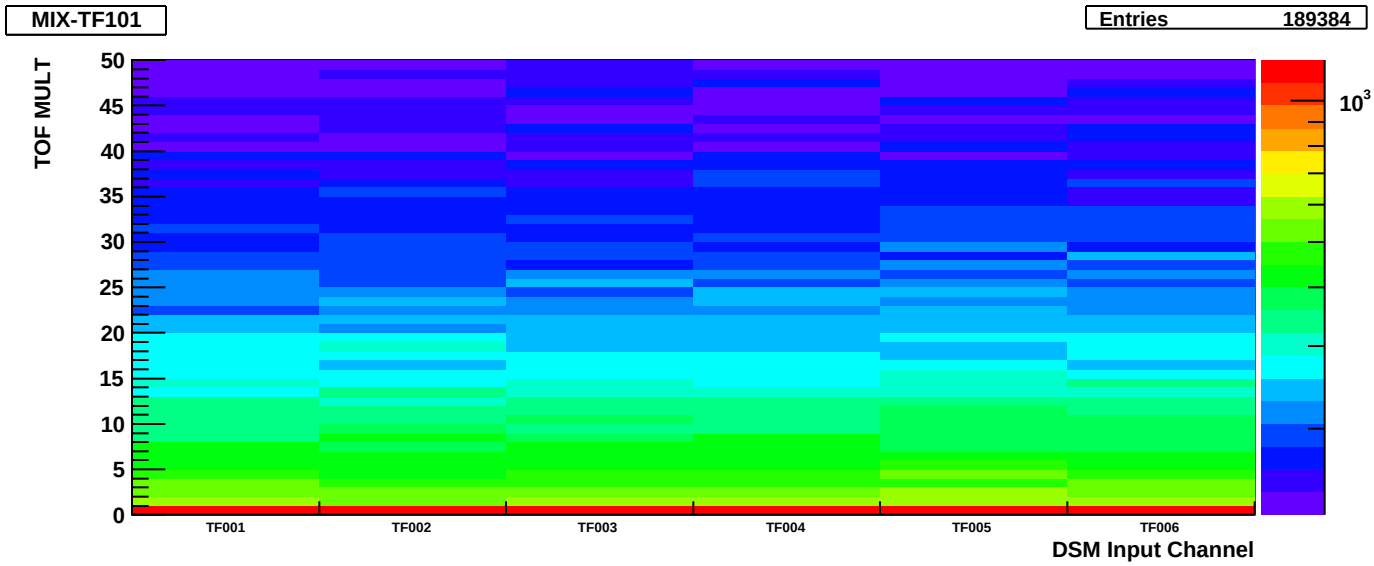

MIX-TF002
Entries 1325688
TOF MULT
TOF tray

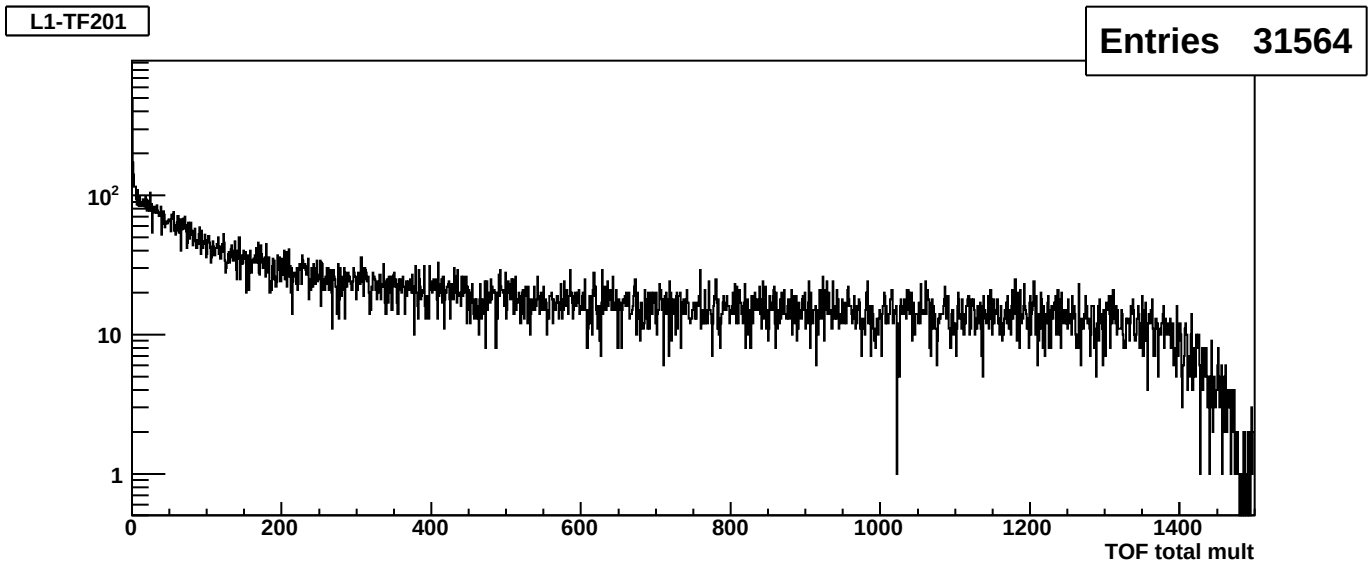

MIX-TF003
Entries 1325688
TOF MULT
TOF tray

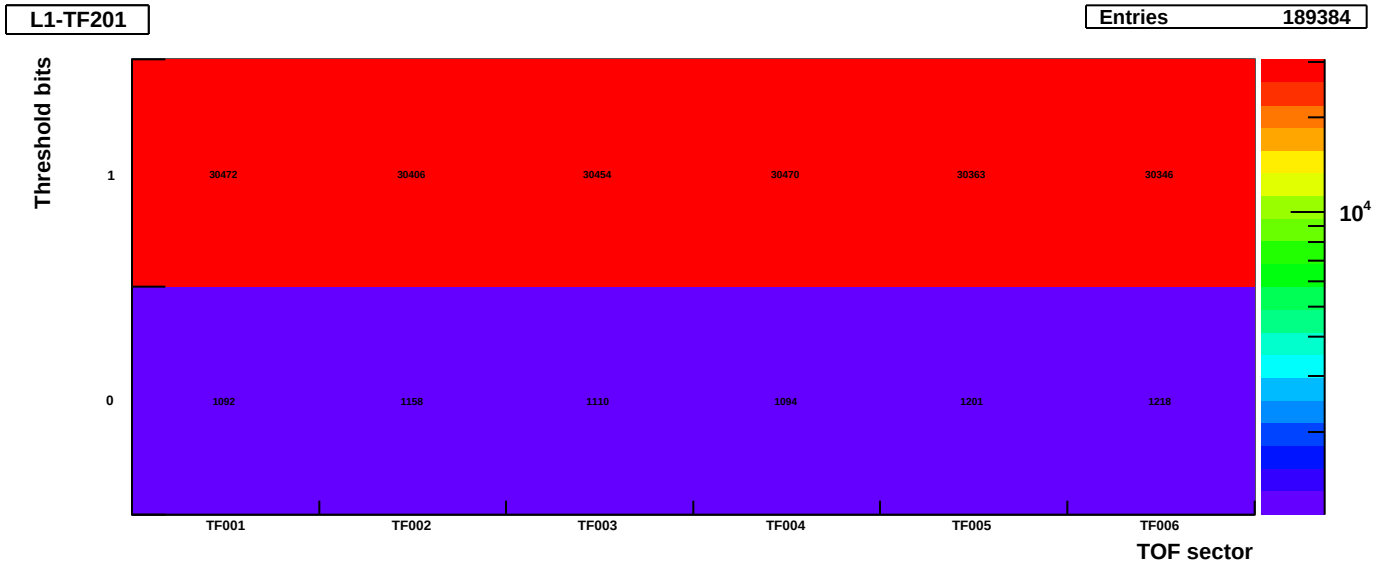

MIX-TF004
Entries 1325688
TOF MULT
TOF tray

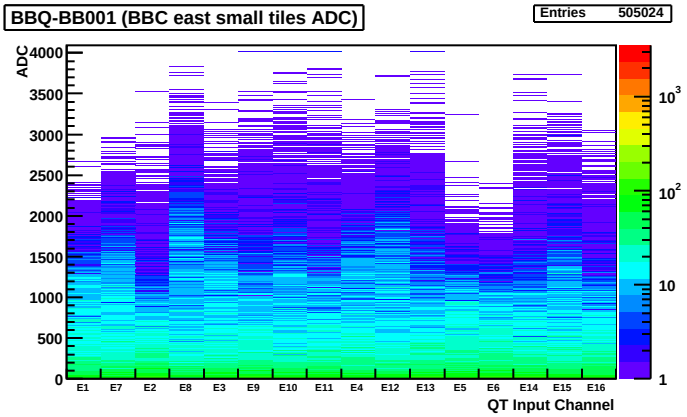

MIX-TF005
Entries 1325688
TOF MULT
TOF tray

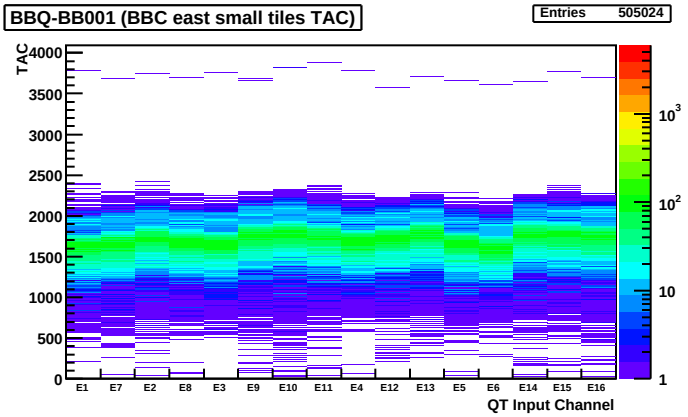

MIX-TF006
Entries 1325688
TOF MULT
TOF tray

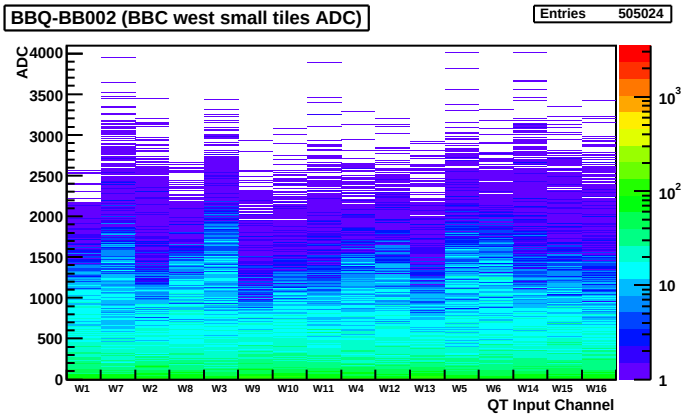

MIX-TF101
Entries 189384
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

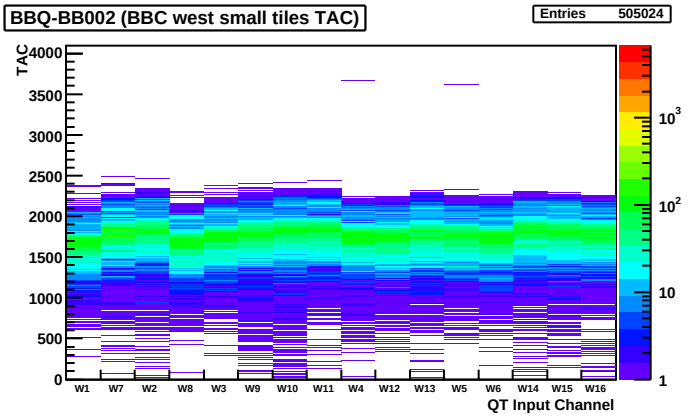

L1-TF201
Entries 31564
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

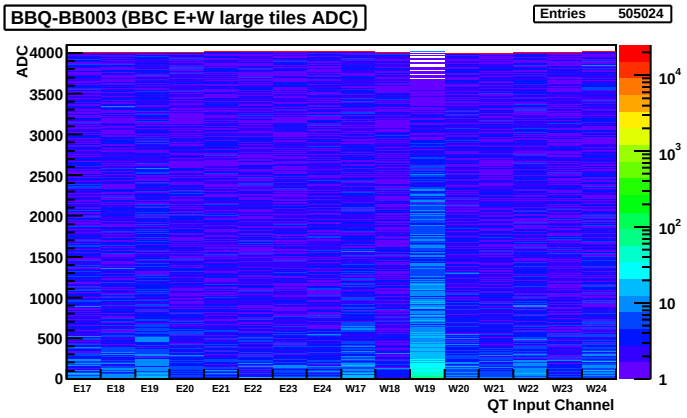

L1-TF201
Entries 189384
Threshold bits
1
0
30472
30406
30454
30470
30363
30346
1092
1158
1110
1094
1201
1218
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

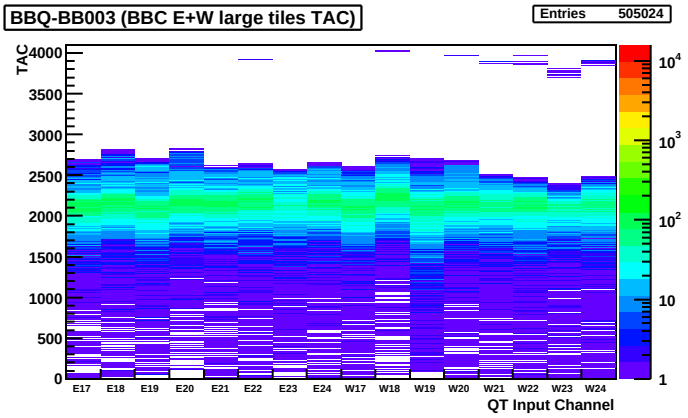

BBQ-BB001 (BBC east small tiles ADC)
Entries 505024
ADC
QT Input Channel

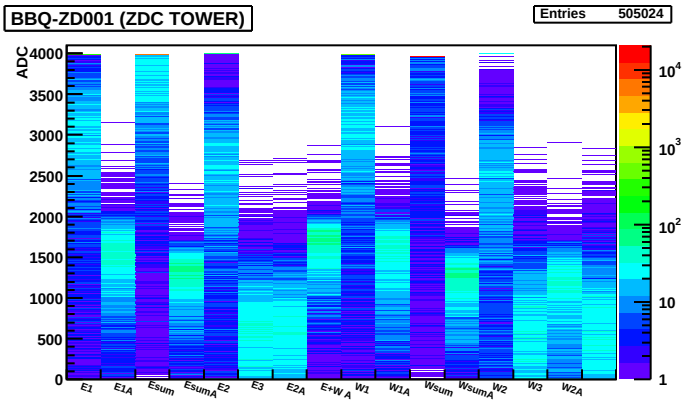

BBQ-BB001 (BBC east small tiles TAC)
Entries 505024
TAC
QT Input Channel

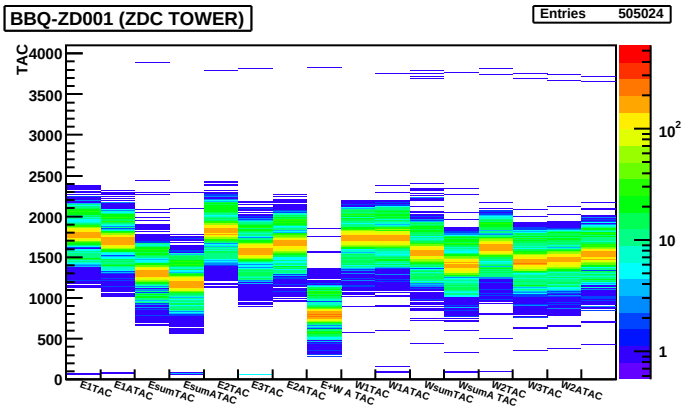

BBQ-BB002 (BBC west small tiles ADC)
Entries 505024
ADC
QT Input Channel

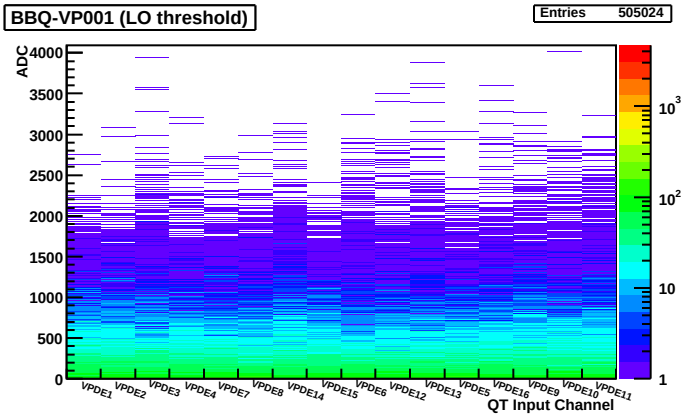

BBQ-BB002 (BBC west small tiles TAC)
Entries 505024
TAC
QT Input Channel

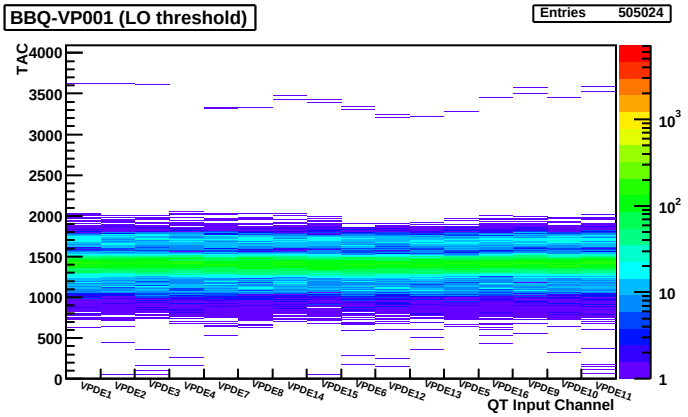

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 505024
ADC
QT Input Channel

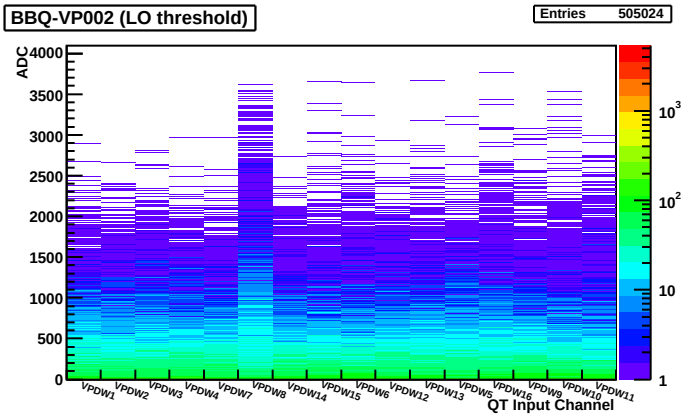

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 505024
TAC
QT Input Channel

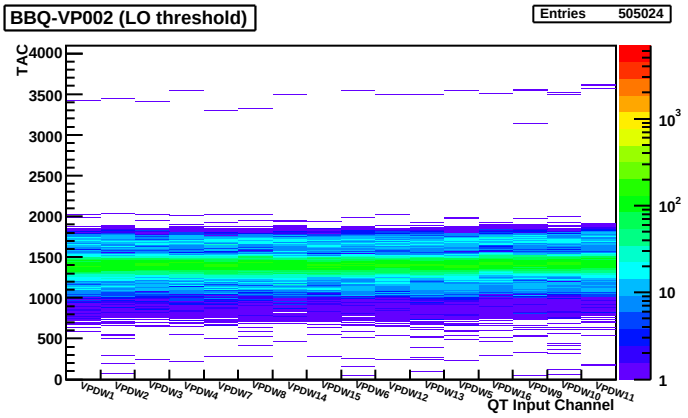

BBQ-ZD001 (ZDC TOWER)
Entries 505024
ADC

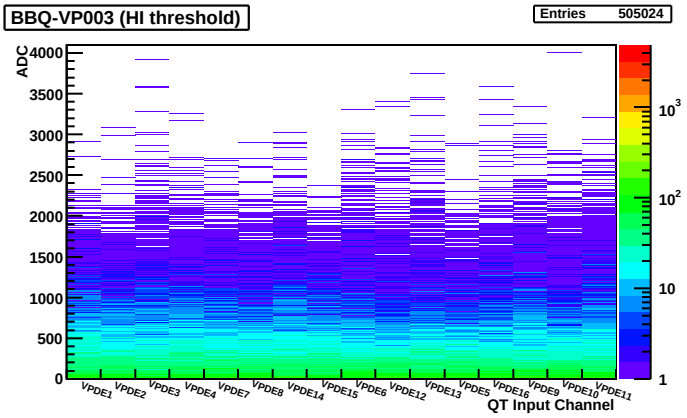

BBQ-ZD001 (ZDC TOWER)
Entries 505024
TAC

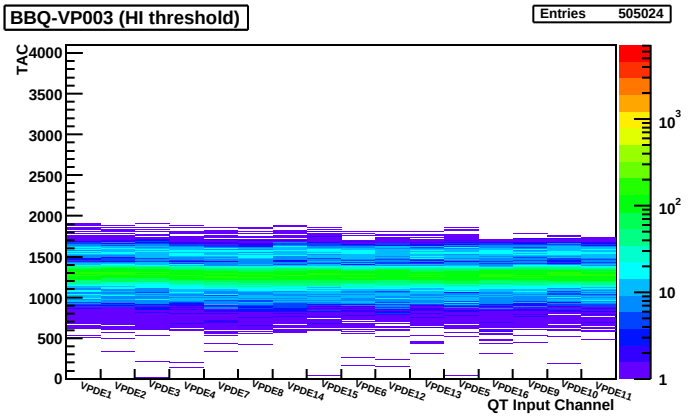

BBQ-VP001 (LO threshold)
Entries 505024
ADC
QT Input Channel

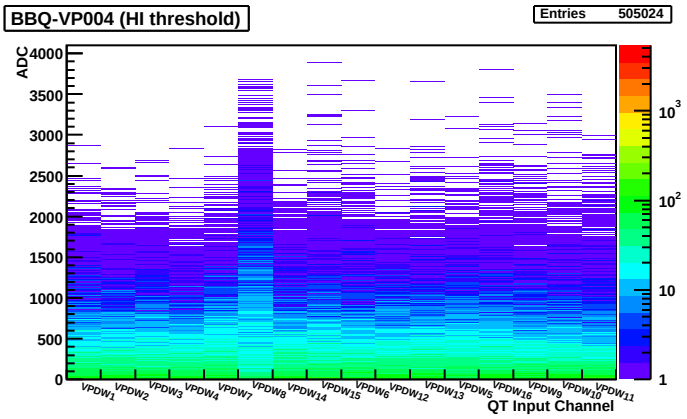

BBQ-VP001 (LO threshold)
Entries 505024
TAC
QT Input Channel

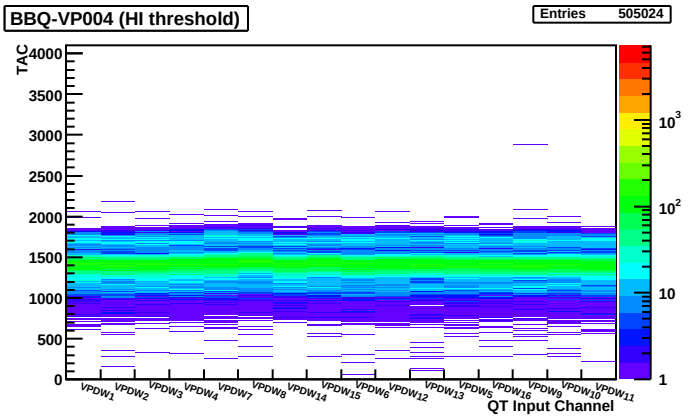

BBQ-VP002 (LO threshold)
Entries 505024
ADC
QT Input Channel

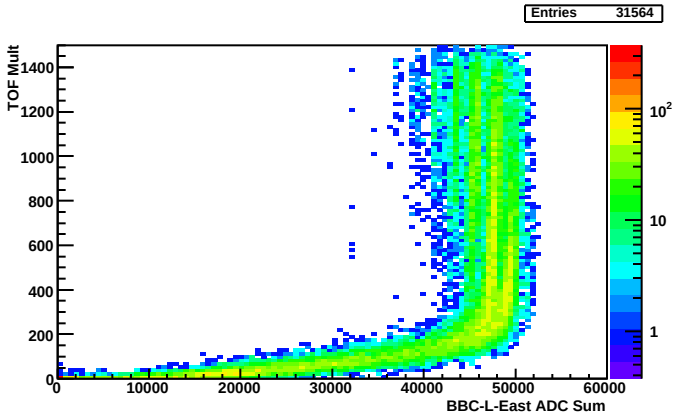

BBQ-VP002 (LO threshold)
Entries 505024
TAC
QT Input Channel

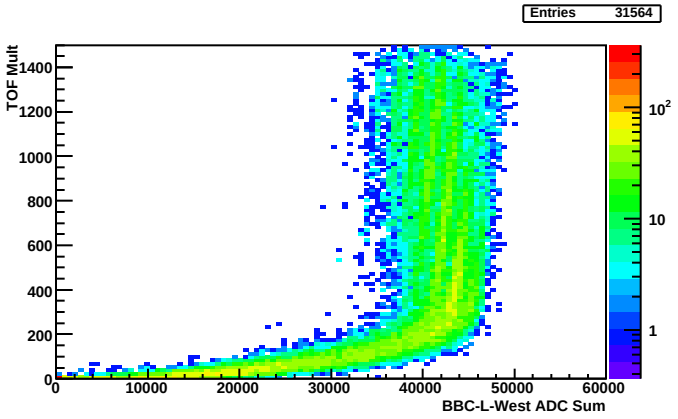

BBQ-VP003 (HI threshold)
Entries 505024
ADC
QT Input Channel

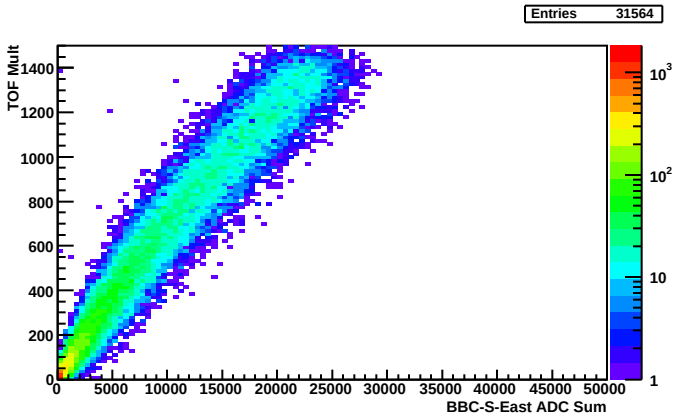

BBQ-VP003 (HI threshold)
Entries 505024
TAC
QT Input Channel

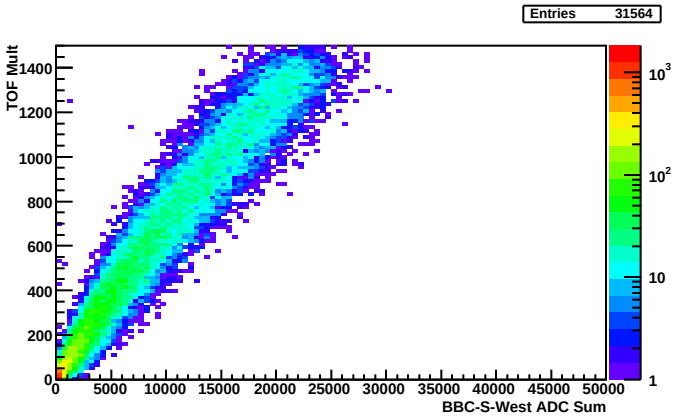

BBQ-VP004 (HI threshold)
Entries 505024
ADC
QT Input Channel

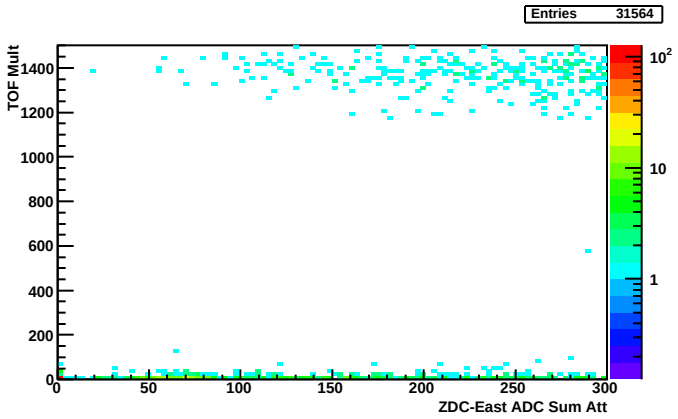

BBQ-VP004 (HI threshold)
Entries 505024
TAC
QT Input Channel

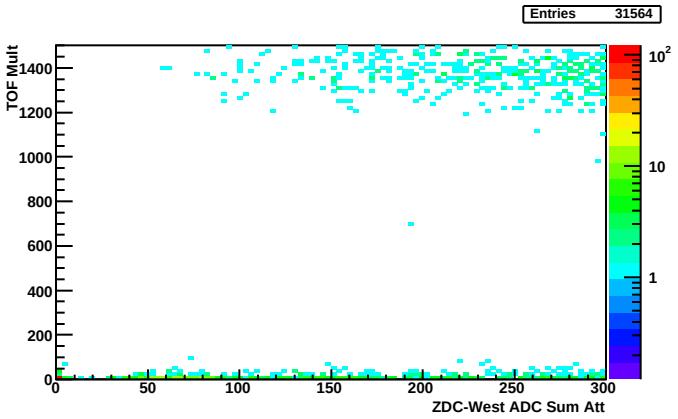

Entries 31564
TOF Mult
BBC-L-East ADC Sum

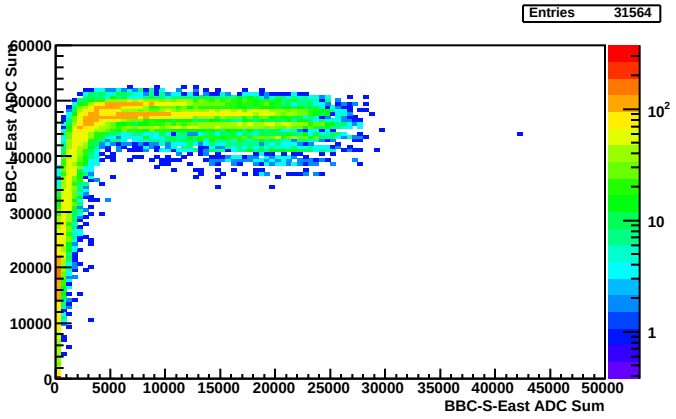

Entries 31564
TOF Mult
BBC-L-West ADC Sum

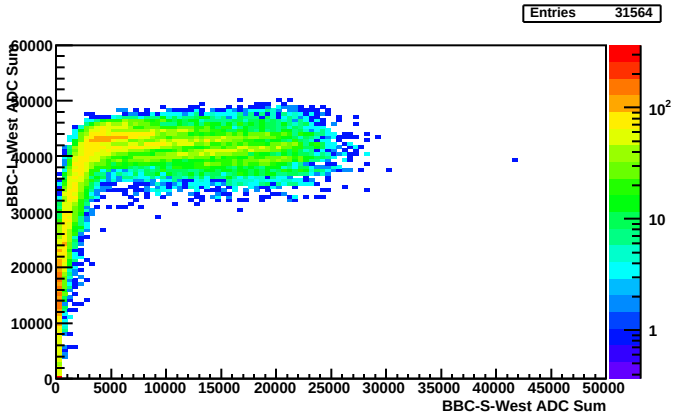

Entries 31564
TOF Mult
BBC-S-East ADC Sum

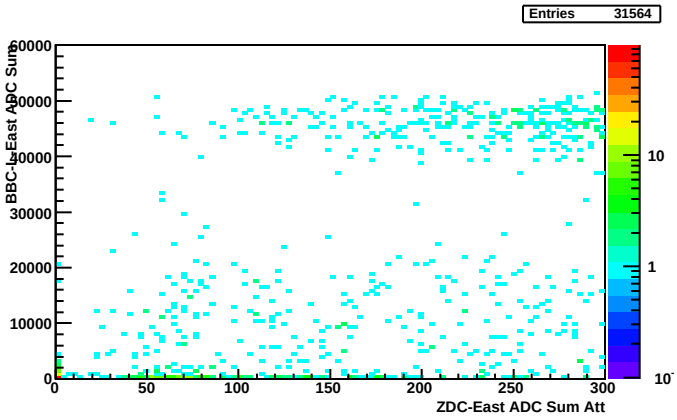

Entries 31564
TOF Mult
BBC-S-West ADC Sum

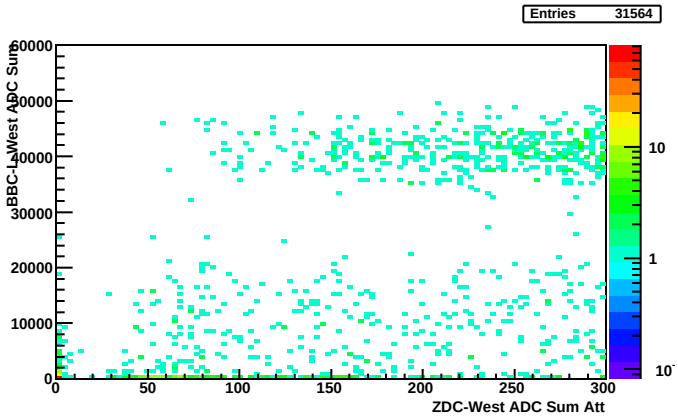

Entries 31564
TOF Mult
ZDC-East ADC Sum Att


Entries 31564
TOF Mult
ZDC-West ADC Sum Att


Entries 31564
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 31564
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 31564
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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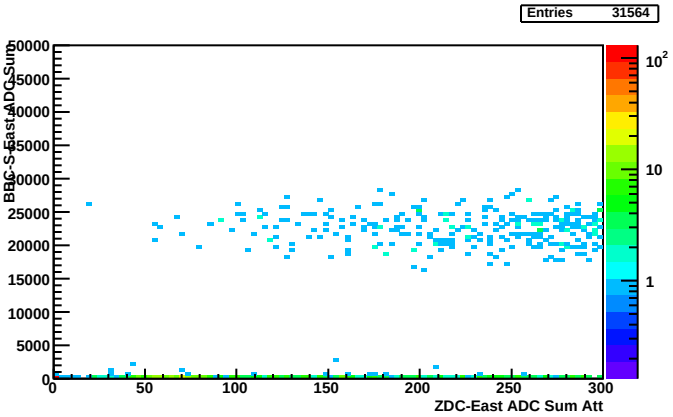
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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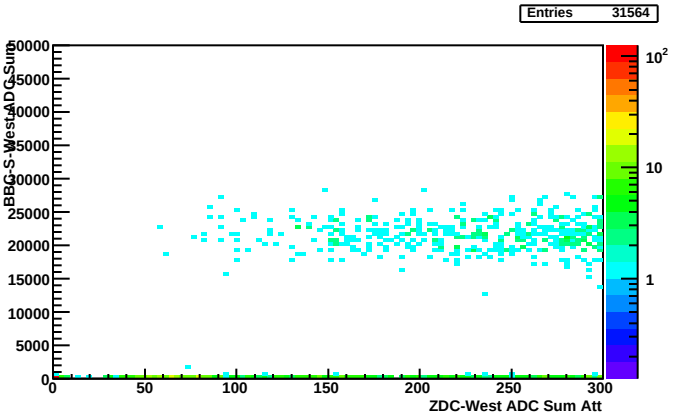
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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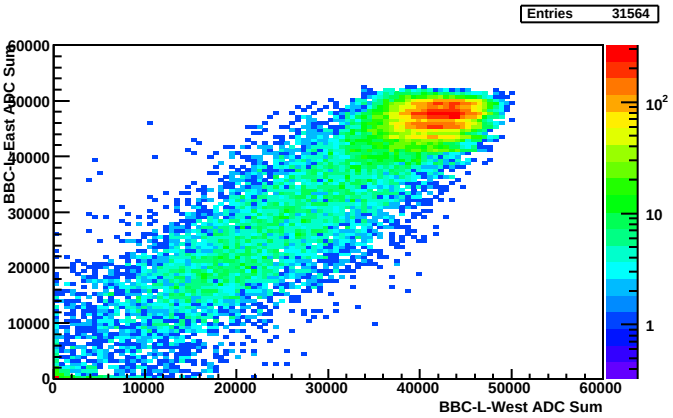
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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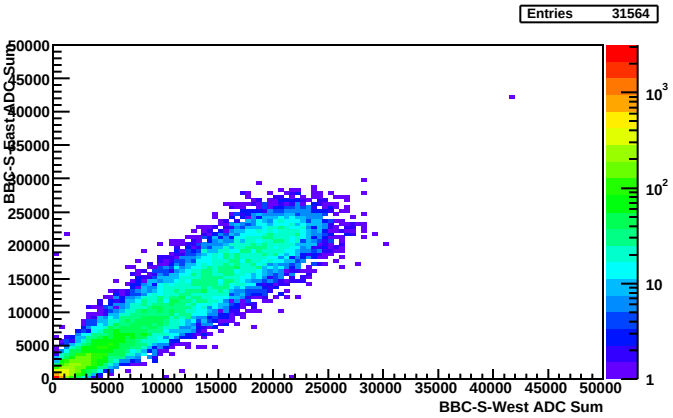
BBC-L-East ADC Sum
BBC-L-West ADC Sum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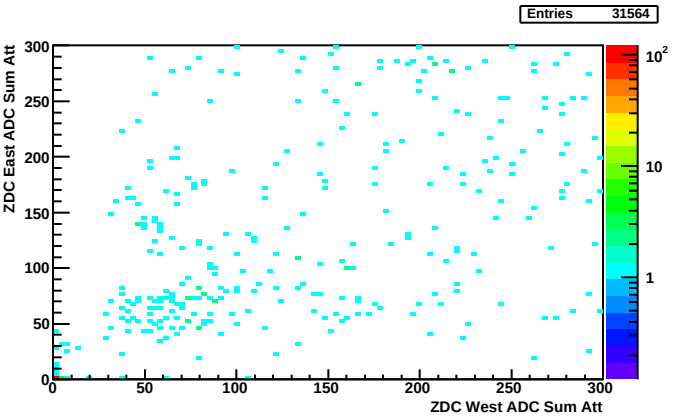
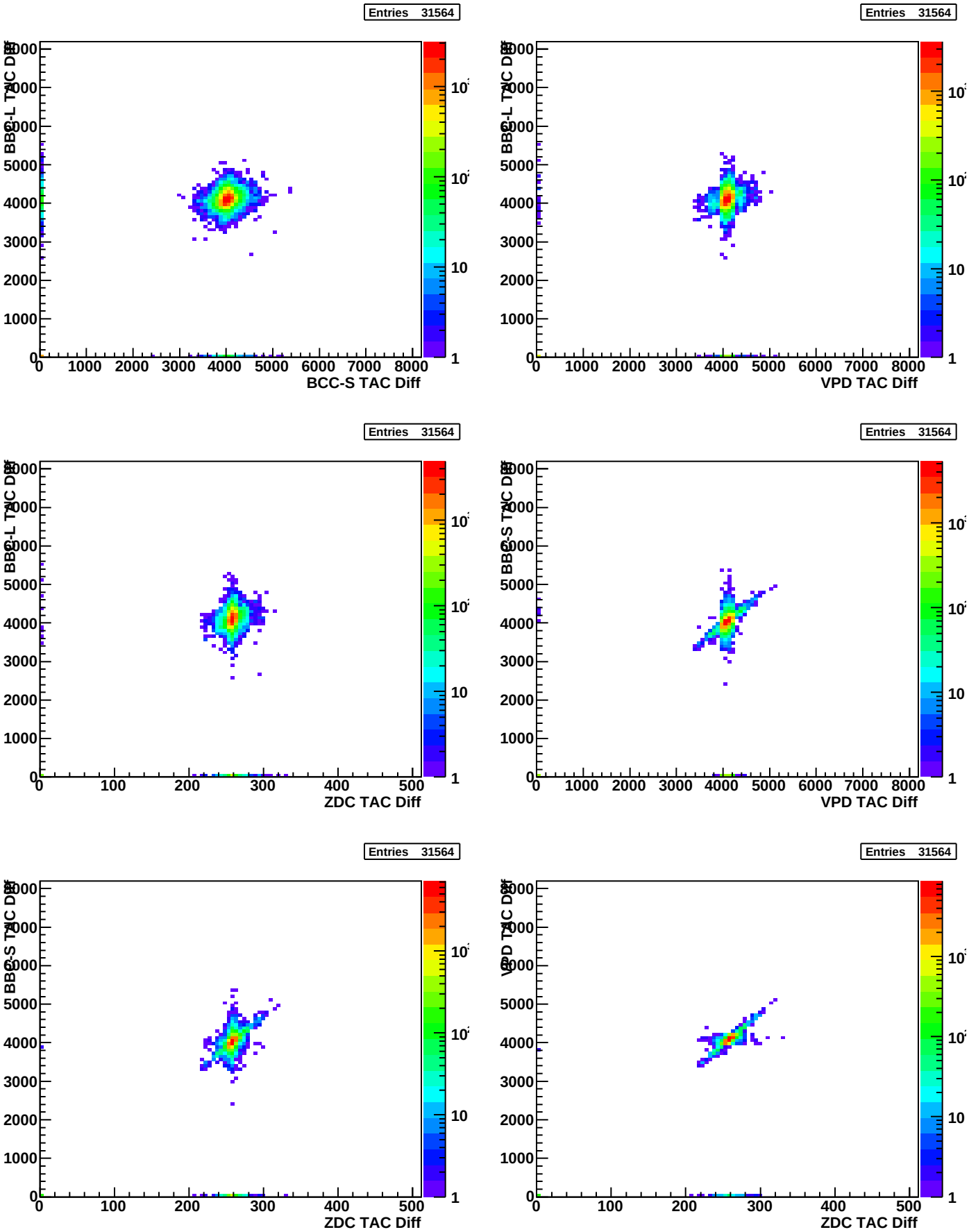
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 31564
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 31564
BBC-L TAC Diff
BCC-S TAC Diff
Entries 31564
BBC-L TAC Diff
VPD TAC Diff
Entries 31564
BBC-L TAC Diff
ZDC TAC Diff
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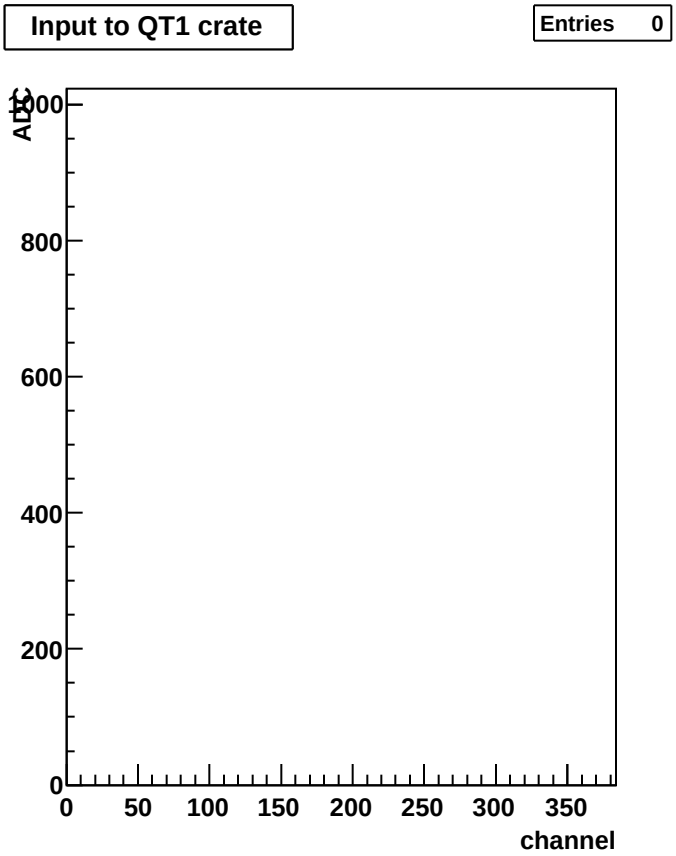
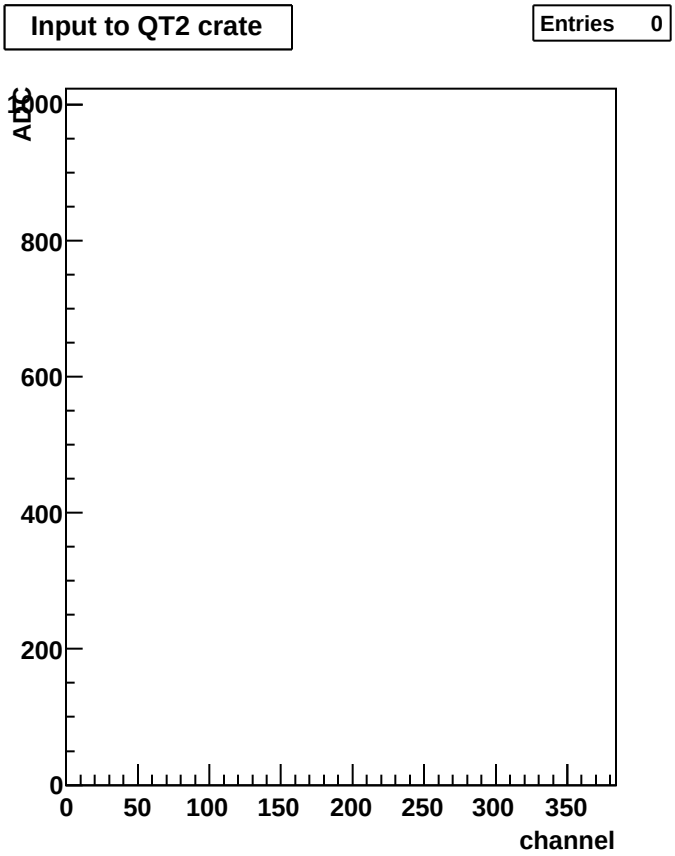
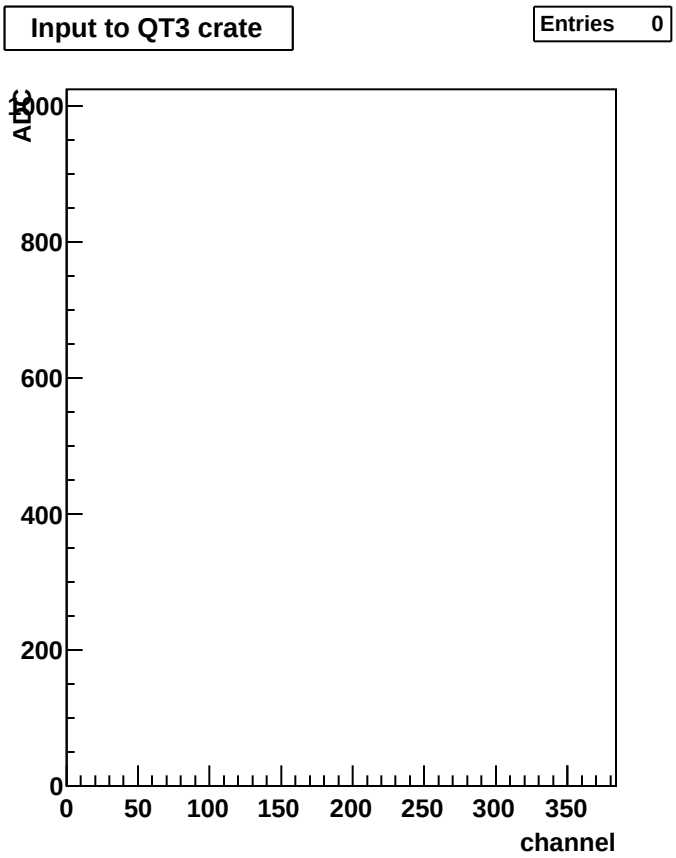
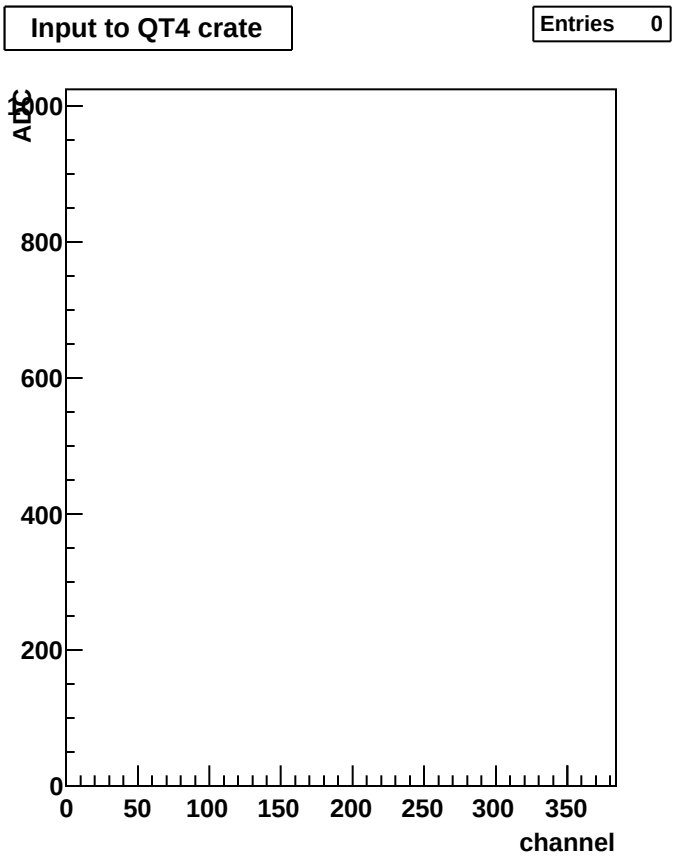
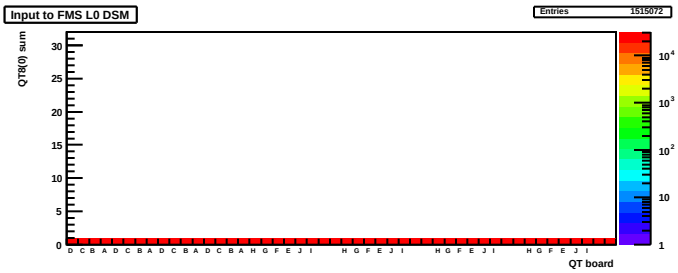
Entries 31564
VPD TAC Diff
ZDC TAC Diff

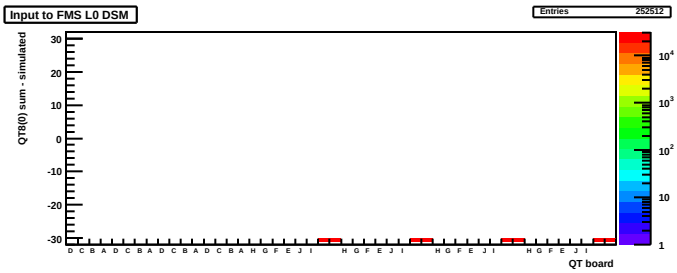

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

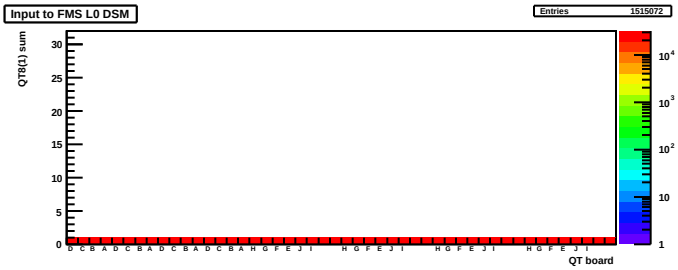

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

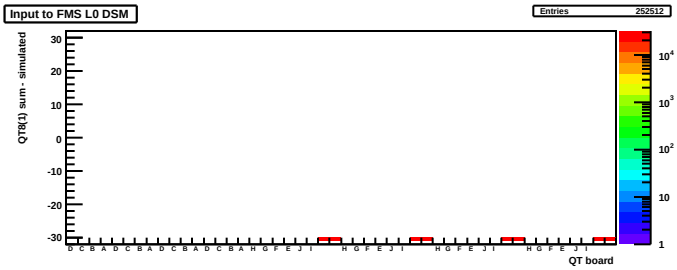

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

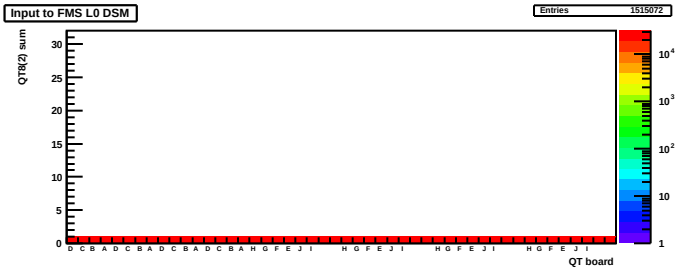

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

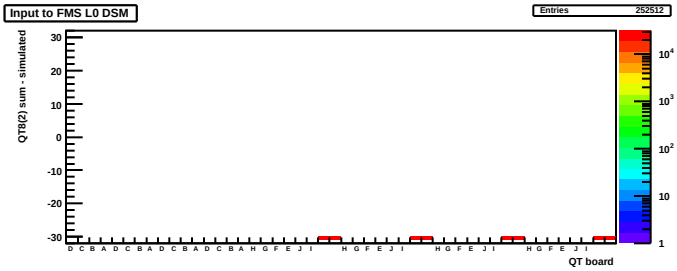

Input to FMS L0 DSM
Entries 1515072
QT8(0) sum
QT board

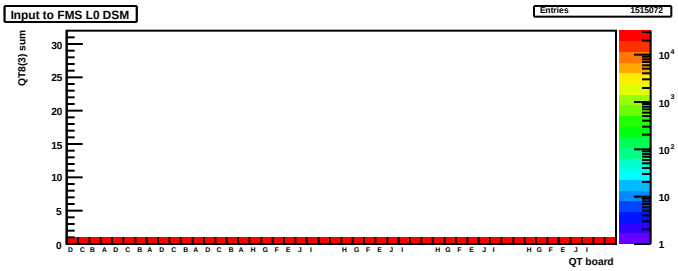

Input to FMS L0 DSM
Entries 252512
QT8(0) sum - simulated
QT board

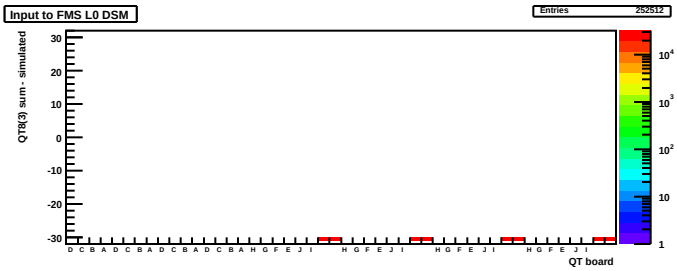

Input to FMS L0 DSM
Entries 1515072
QT8(1) sum
QT board

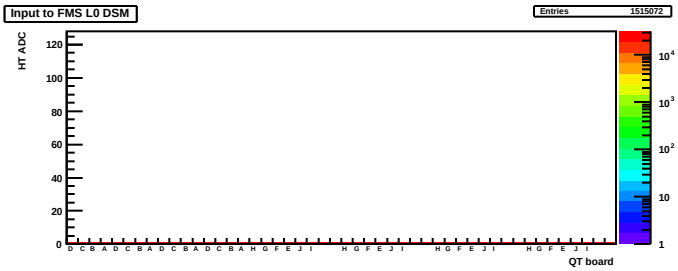

Input to FMS L0 DSM
Entries 252512
QT8(1) sum - simulated
QT board

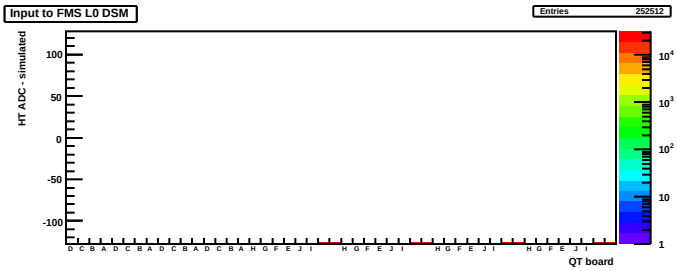

Input to FMS L0 DSM
Entries 1515072
QT8(2) sum
QT board

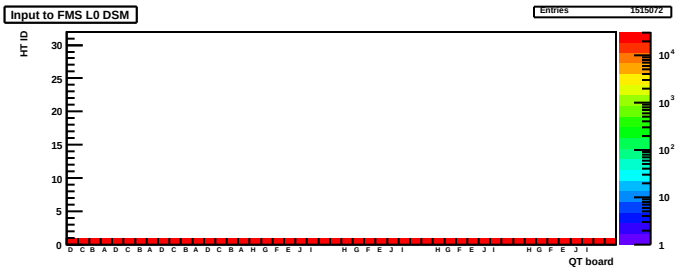

Input to FMS L0 DSM
Entries 252512
QT8(2) sum - simulated
QT board

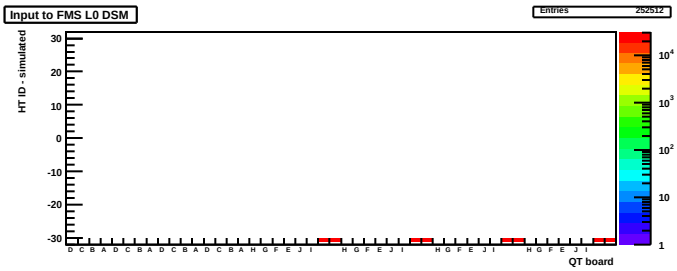

Input to FMS L0 DSM
Entries 1515072
QT8(3) sum
QT board

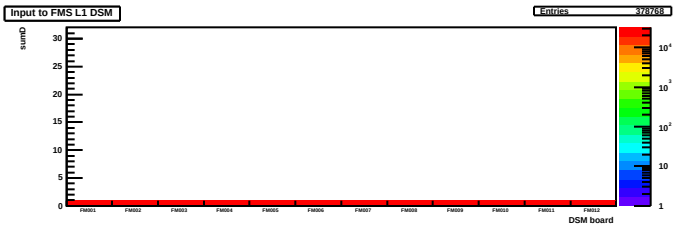

Input to FMS L0 DSM
Entries 252512
QT8(3) sum - simulated
QT board

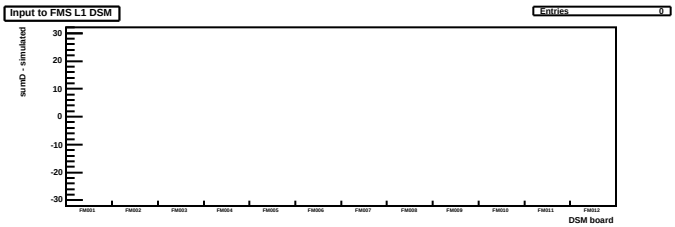

Input to FMS L0 DSM
Entries 1515072
HT ADC
QT board

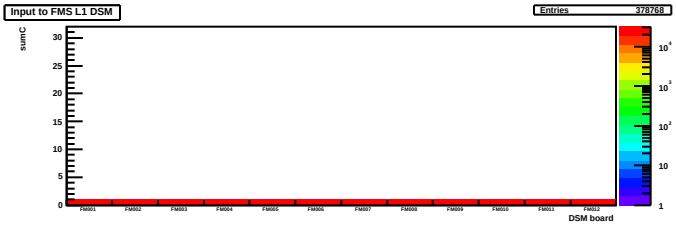

Input to FMS L0 DSM
Entries 252512
HT ADC - simulated
QT board

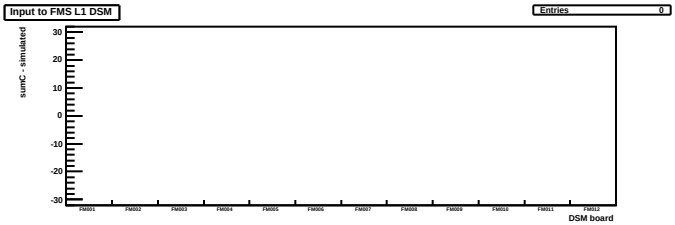

Input to FMS L0 DSM
Entries 1515072
HT ID
QT board

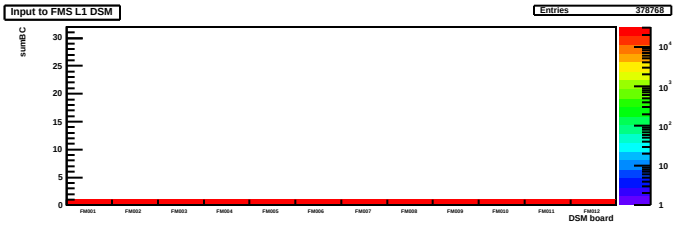

Input to FMS L0 DSM
Entries 252512
HT ID - simulated
QT board

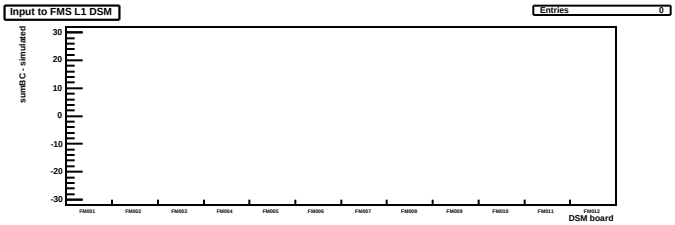

Input to FMS L1 DSM
Entries 378768
sumD
DSM board

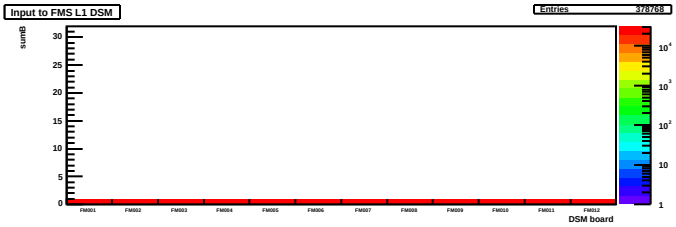

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

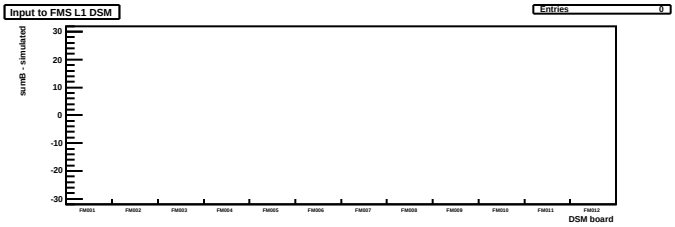

Input to FMS L1 DSM
Entries 378768
sumC
DSM board

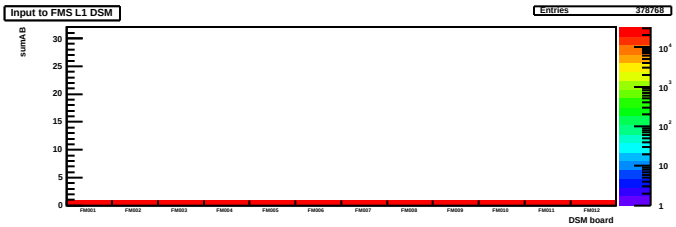

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

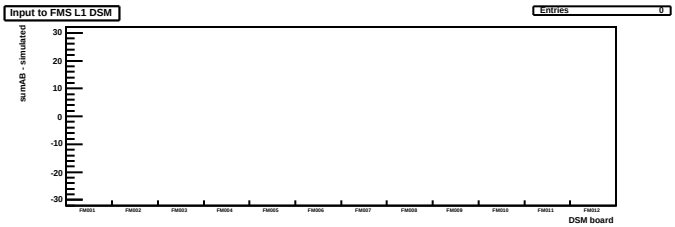

Input to FMS L1 DSM
Entries 378768
sumBC
DSM board

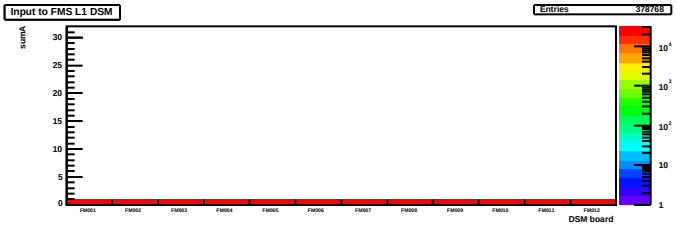

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

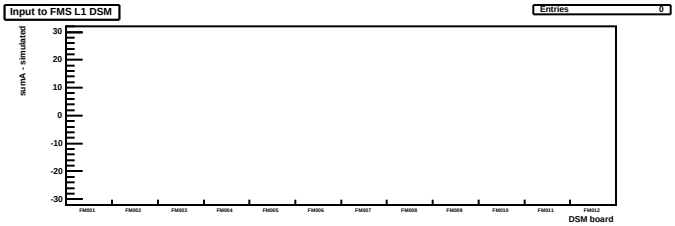

Input to FMS L1 DSM
Entries 378768
sumB
DSM board

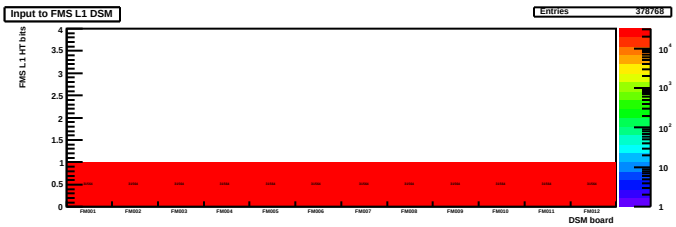

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

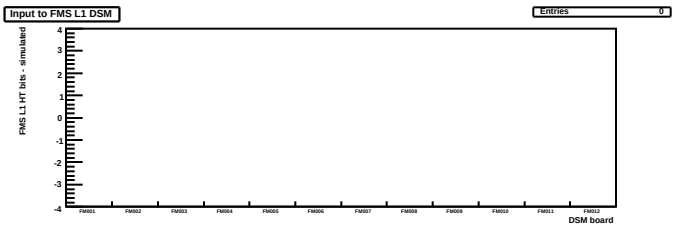

Input to FMS L1 DSM
Entries 378768
sumAB
DSM board

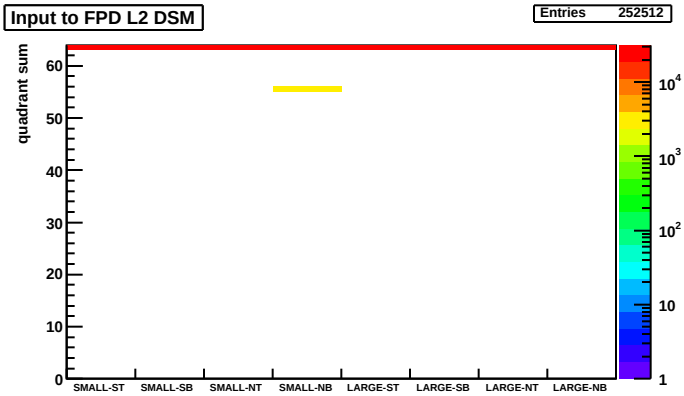

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

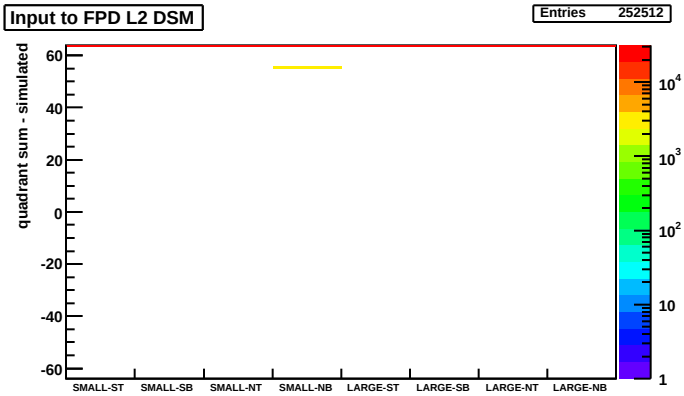

Input to FMS L1 DSM
Entries 378768
sumA
DSM board

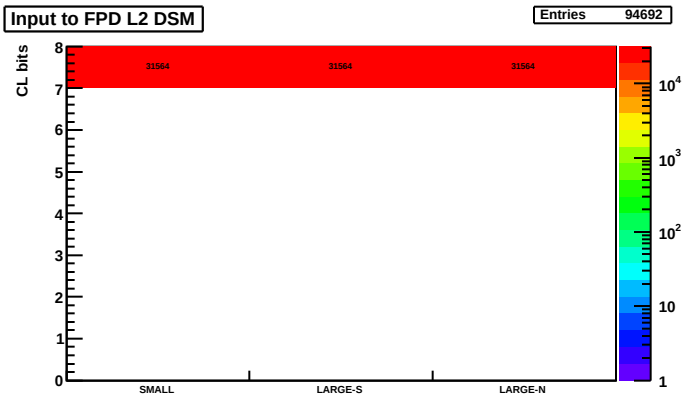

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

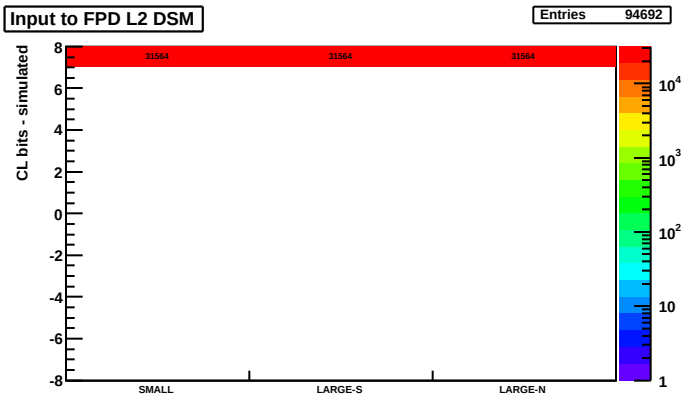

Input to FMS L1 DSM
Entries 378768
FMS L1 HT bits
DSM board

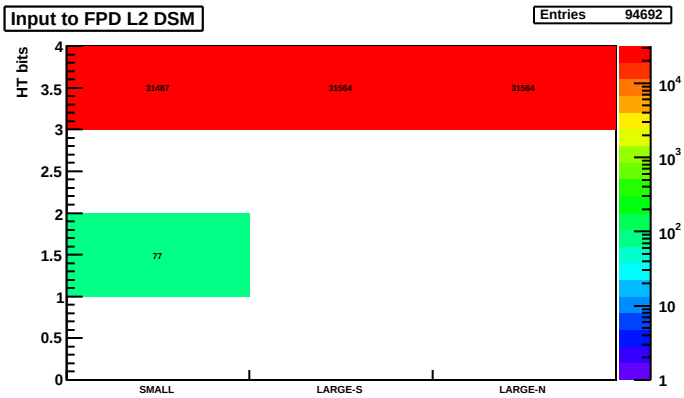

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

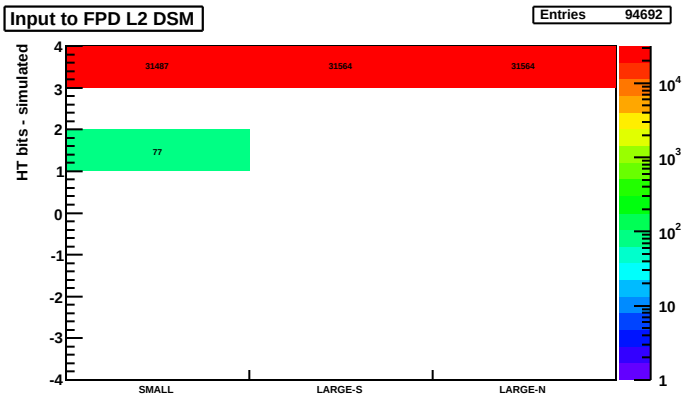

Input to FPD L2 DSM
Entries 252512
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

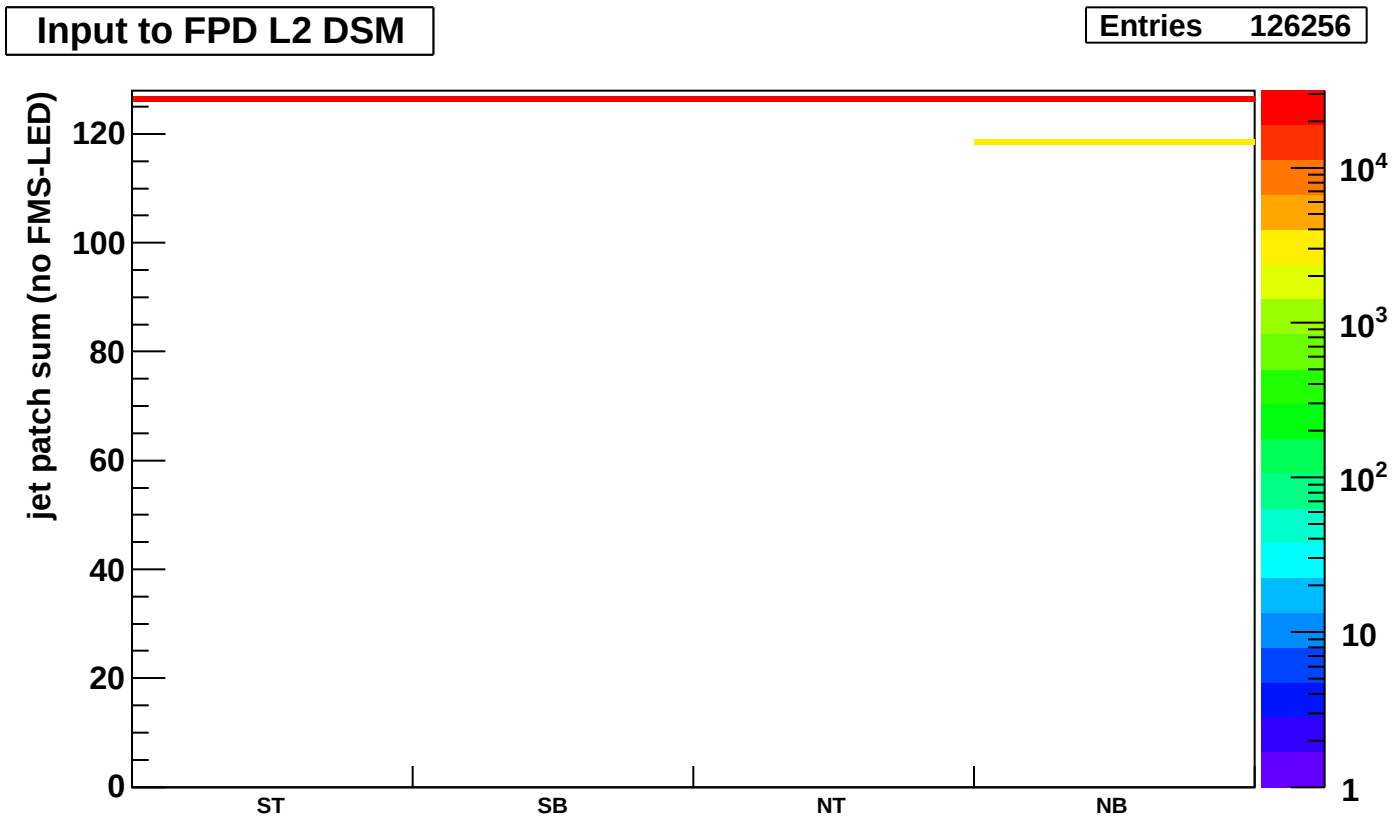

Input to FPD L2 DSM
Entries 252512
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

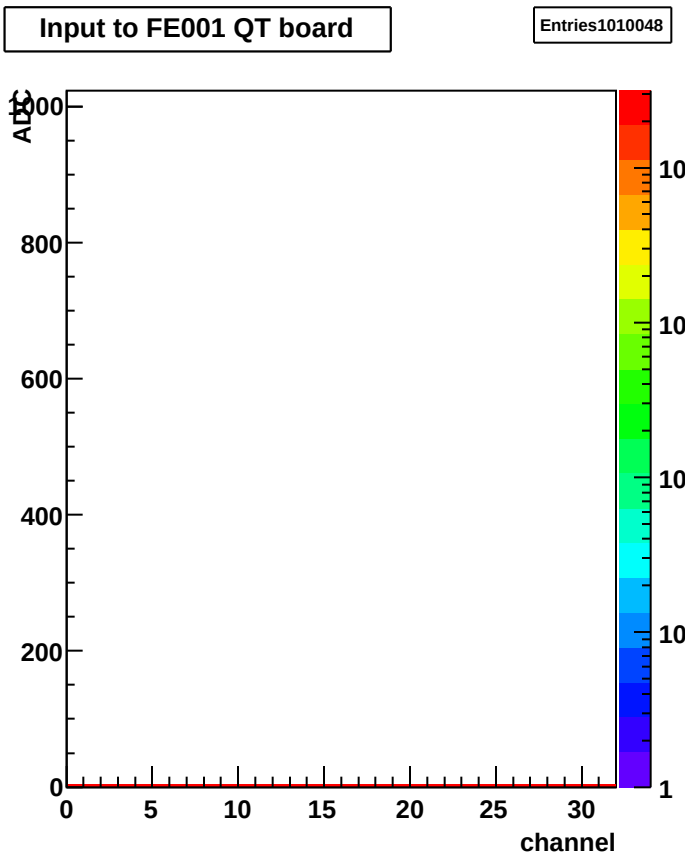

Input to FPD L2 DSM
Entries 94692
CL bits
31564 31564 31564
SMALL LARGE-S LARGE-N

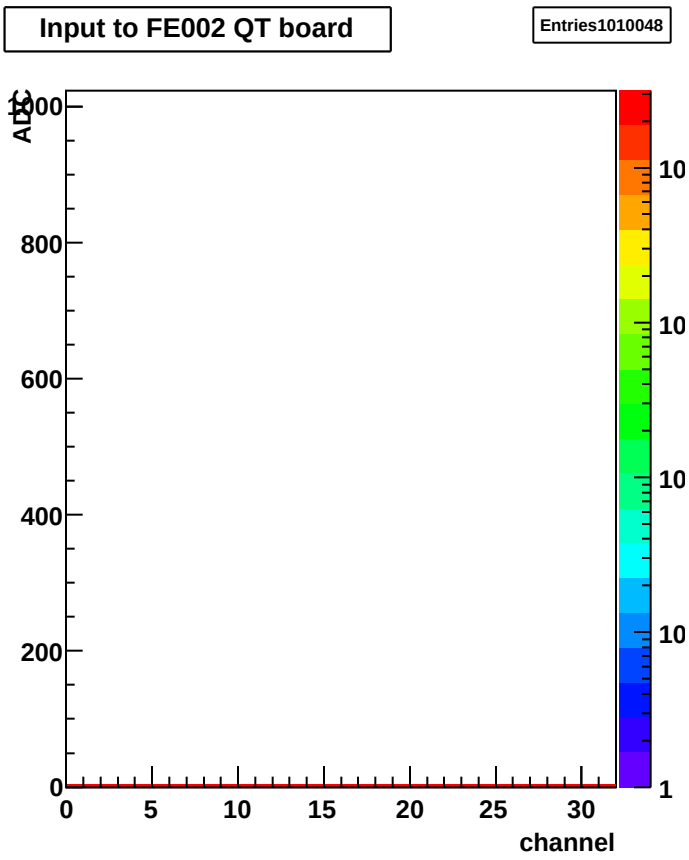

Input to FPD L2 DSM
Entries 94692
CL bits - simulated
31564 31564 31564
SMALL LARGE-S LARGE-N

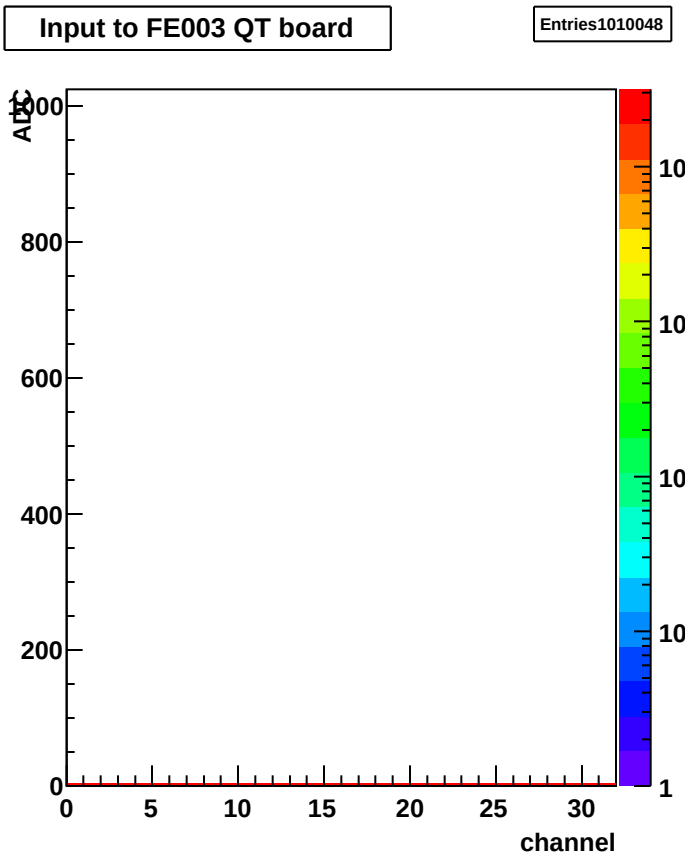

Input to FPD L2 DSM
Entries 94692
HT bits
31487 31564 31564
77
SMALL LARGE-S LARGE-N

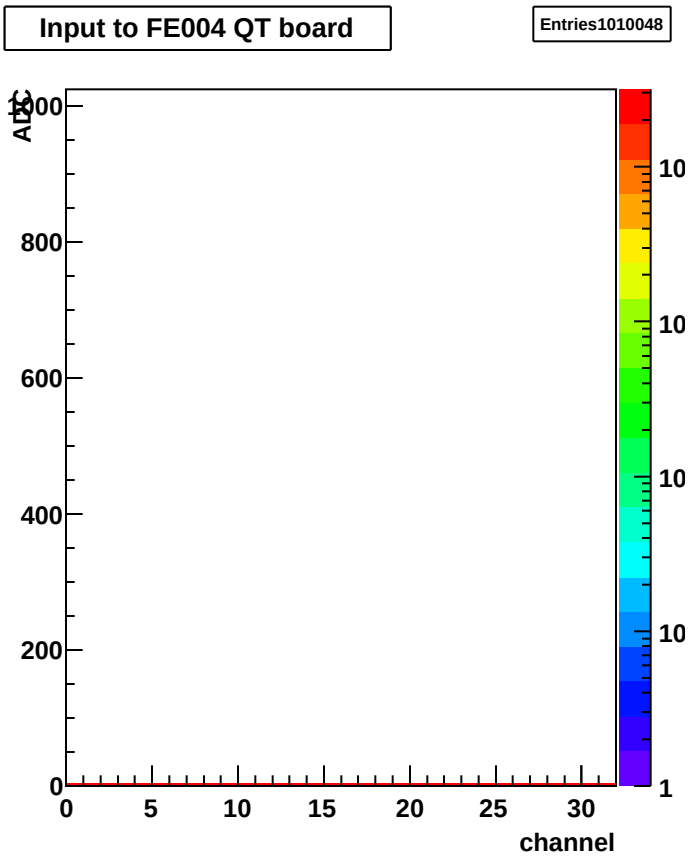

Input to FPD L2 DSM
Entries 94692
HT bits - simulated
31487 31564 31564
77
SMALL LARGE-S LARGE-N

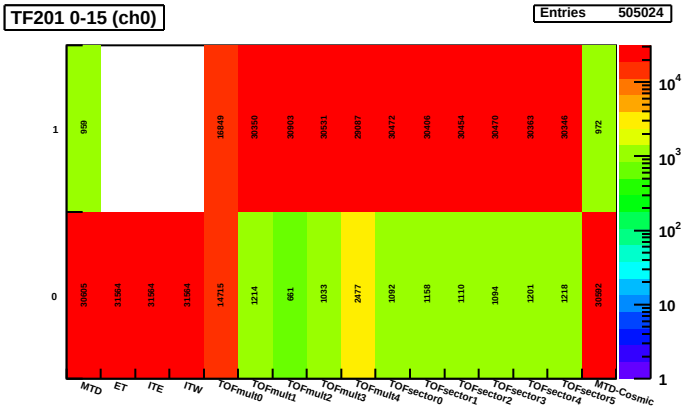

Input to FPD L2 DSM
Entries 126256
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

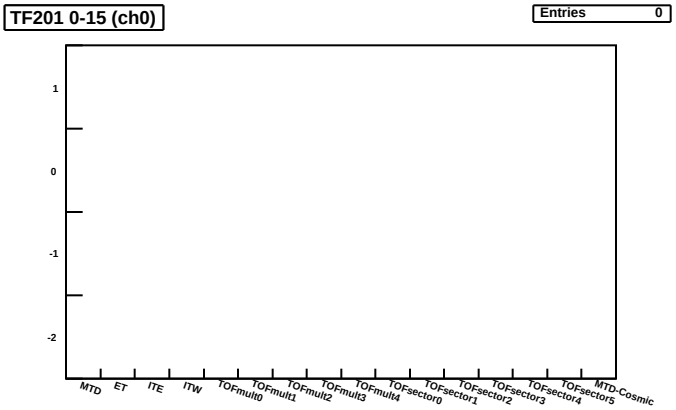

Input to FE001 QT board
Entries1010048
ADC
channel

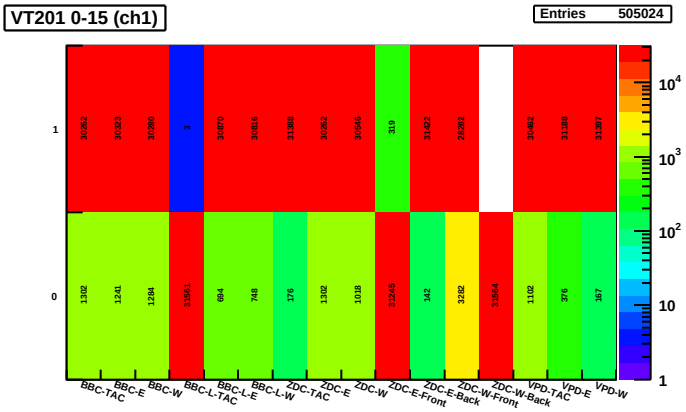

Input to FE002 QT board
Entries1010048
ADC
channel

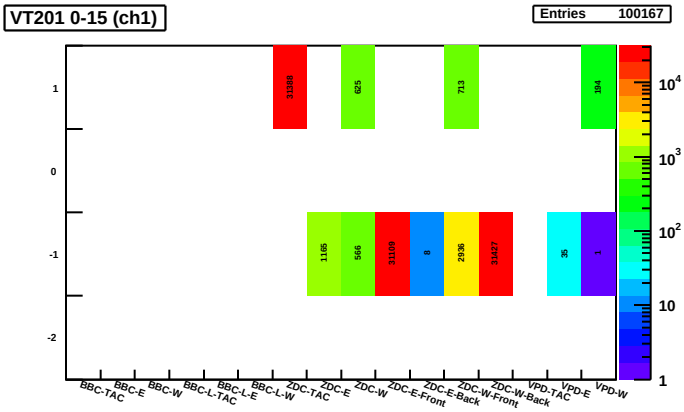

Input to FE003 QT board
Entries1010048
ADC
channel

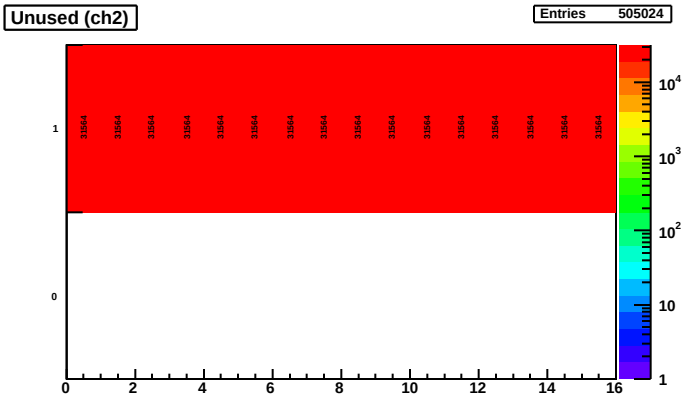

Input to FE004 QT board
Entries1010048
ADC
channel

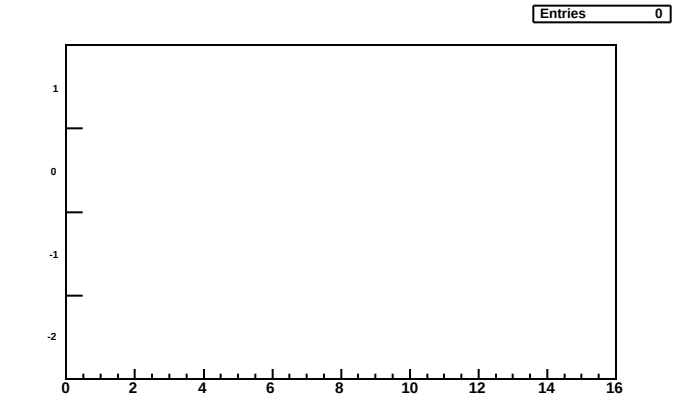

TF201 0-15 (ch0)
Entries 505024
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

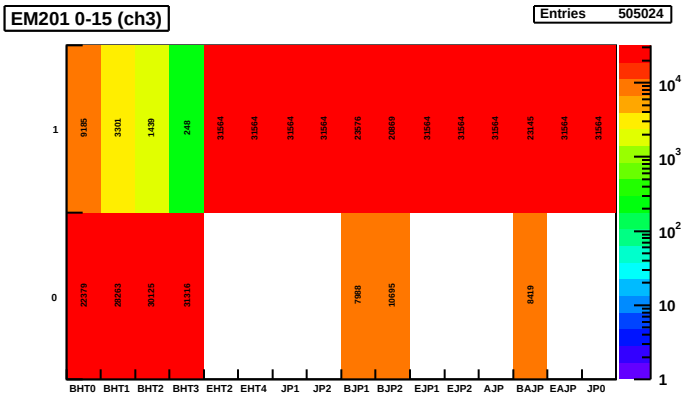

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

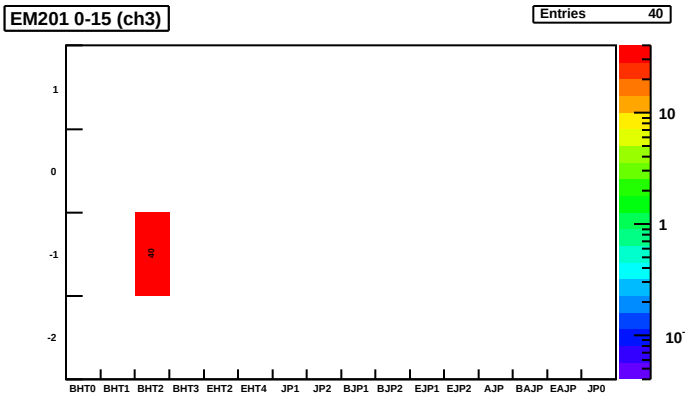

VT201 0-15 (ch1)
Entries 505024
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 100167
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

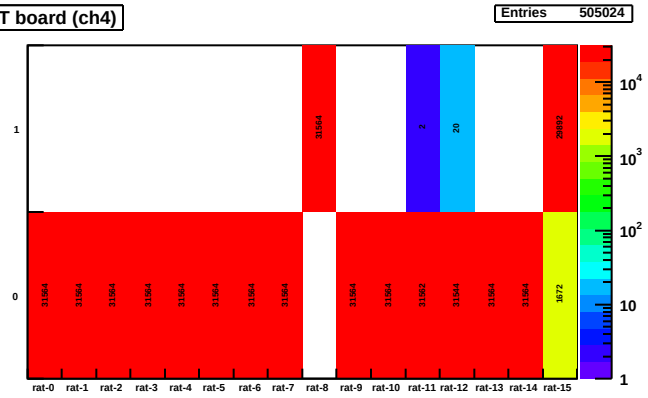

Unused (ch2)
Entries 505024

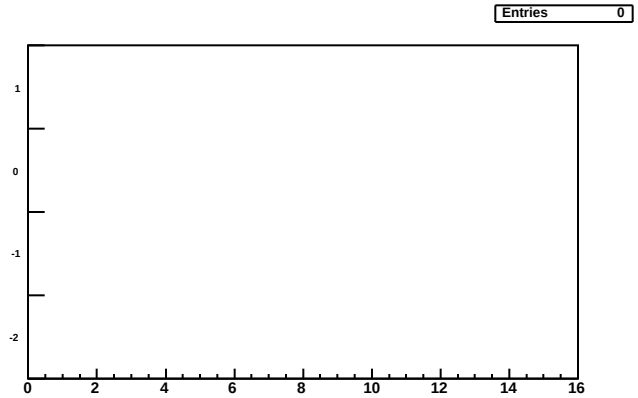

Entries 0


EM201 0-15 (ch3)
Entries 505024
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

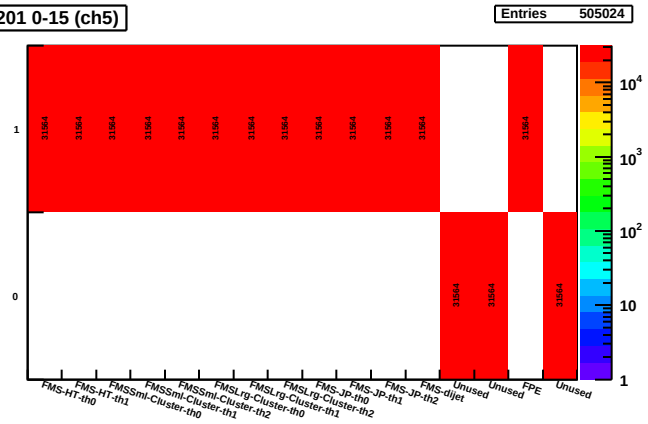

EM201 0-15 (ch3)
Entries 40
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

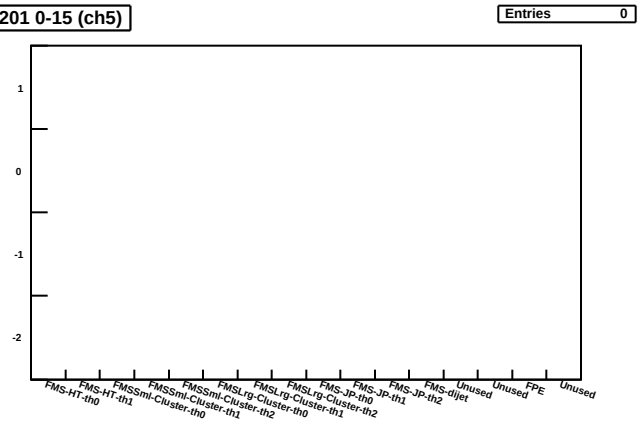




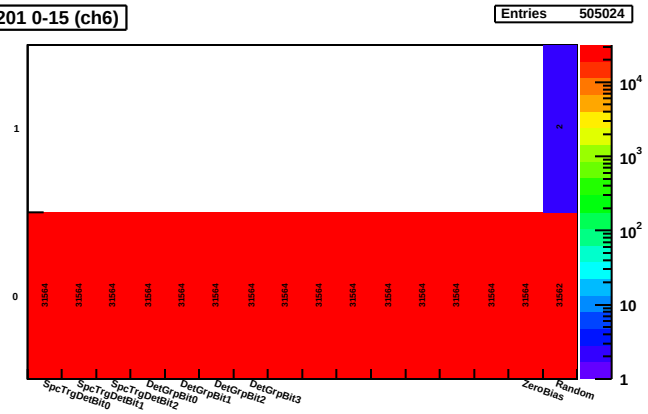
FP201 0-15 (ch5)

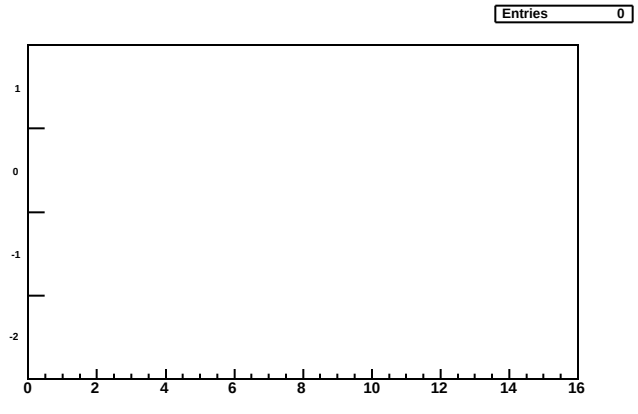
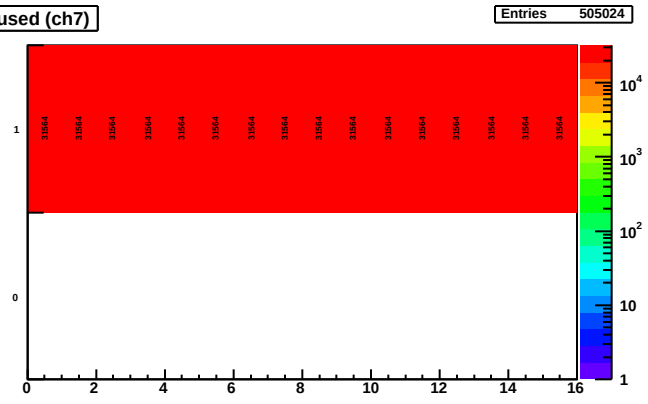
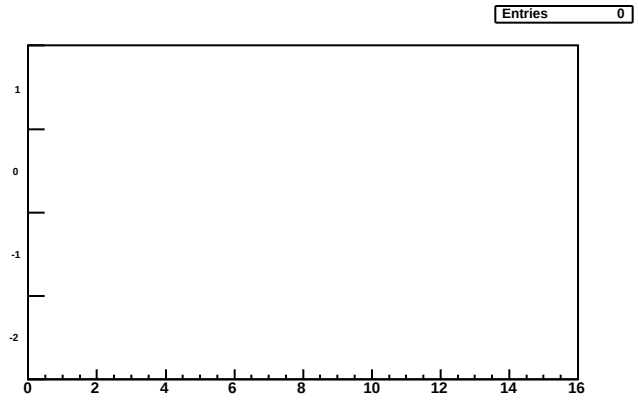


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)