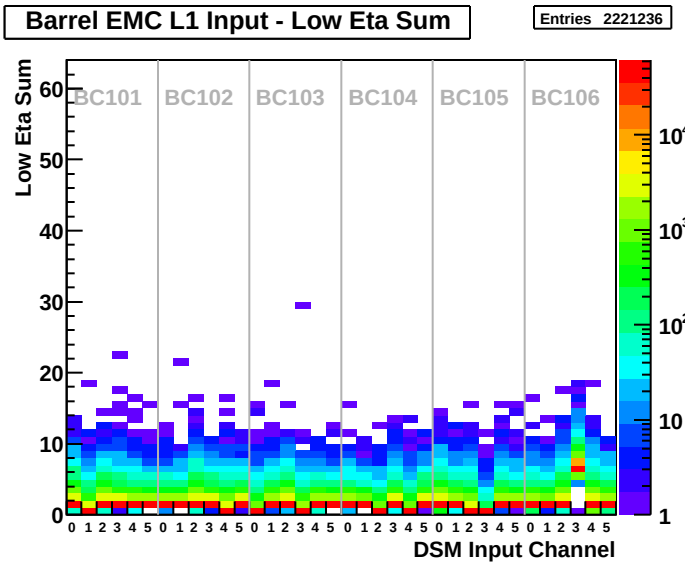
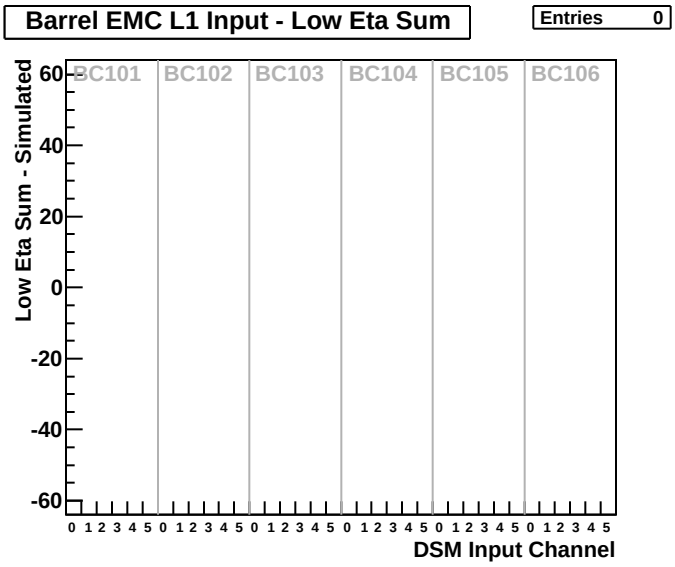
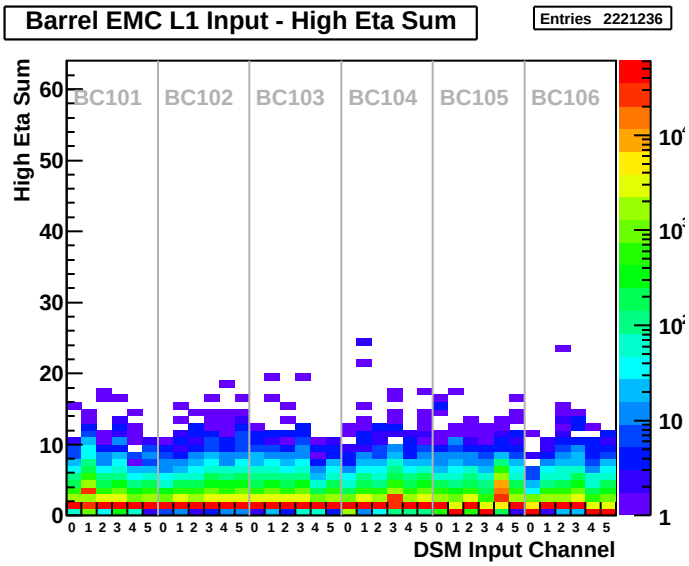
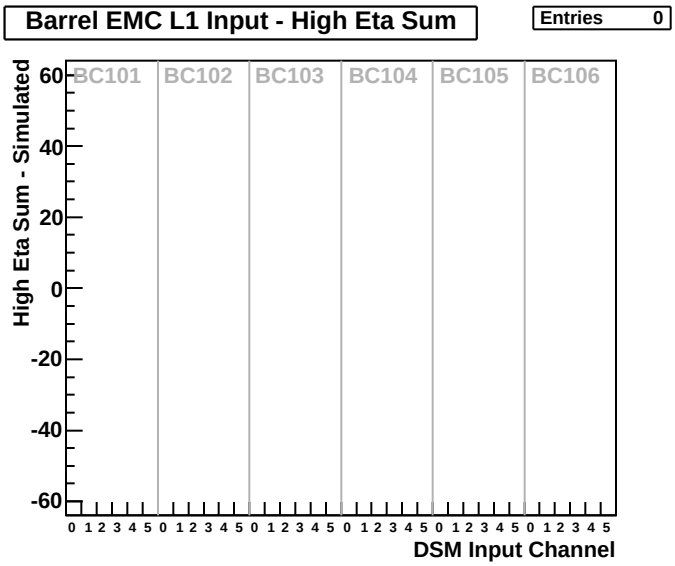
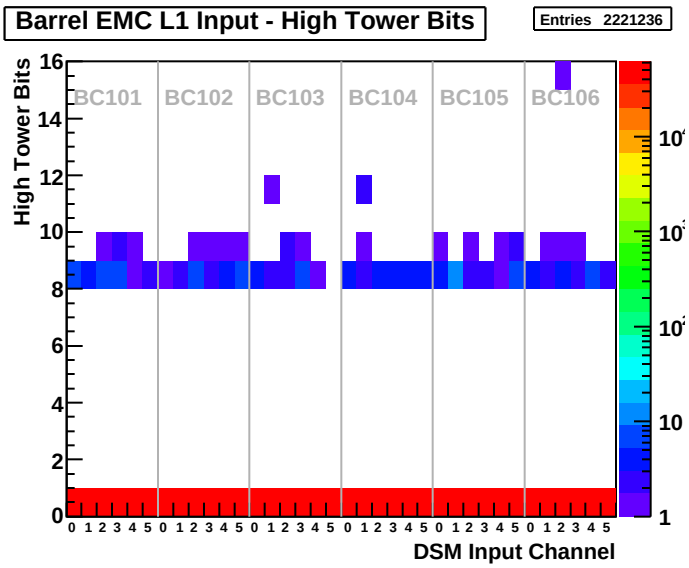
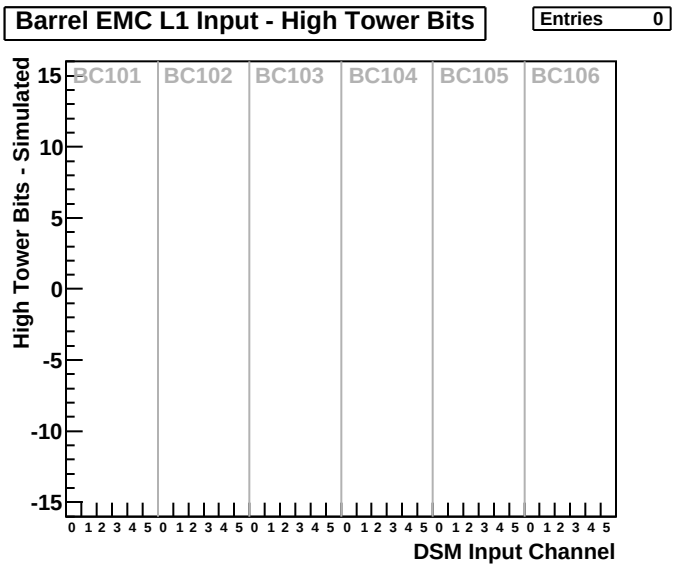

Barrel EMC L1 Input - Low Eta Sum
Entries 2221236
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

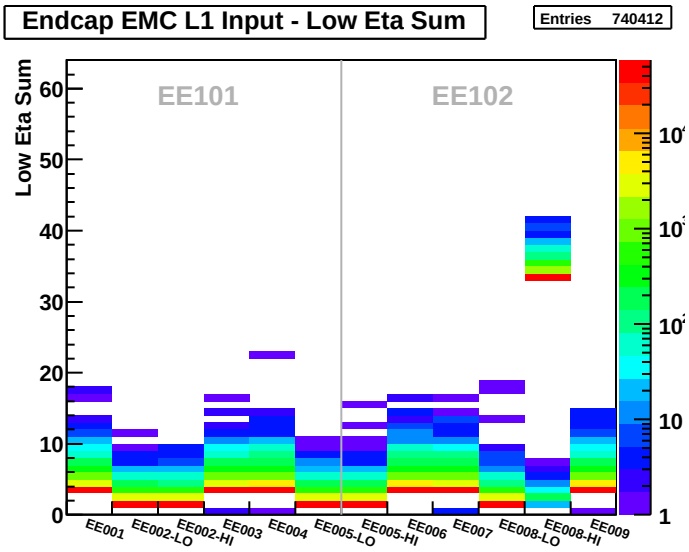

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

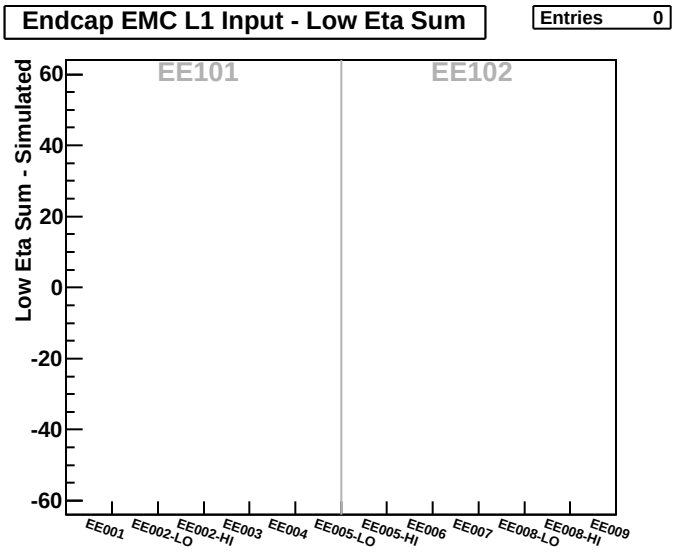

Barrel EMC L1 Input - High Eta Sum
Entries 2221236
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

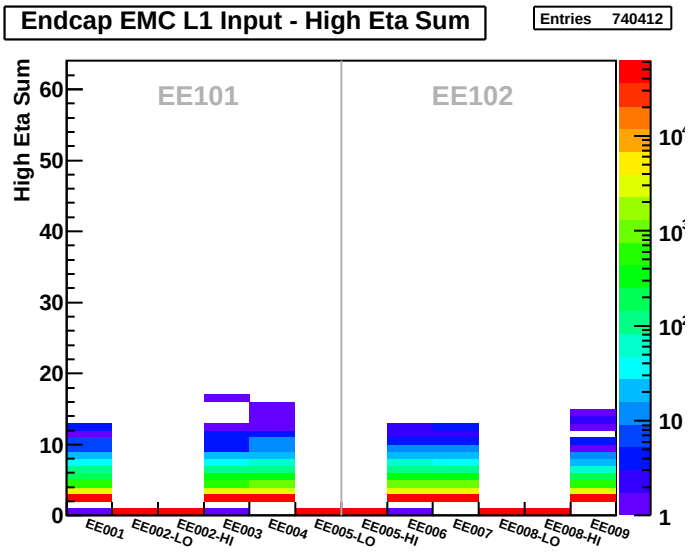

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

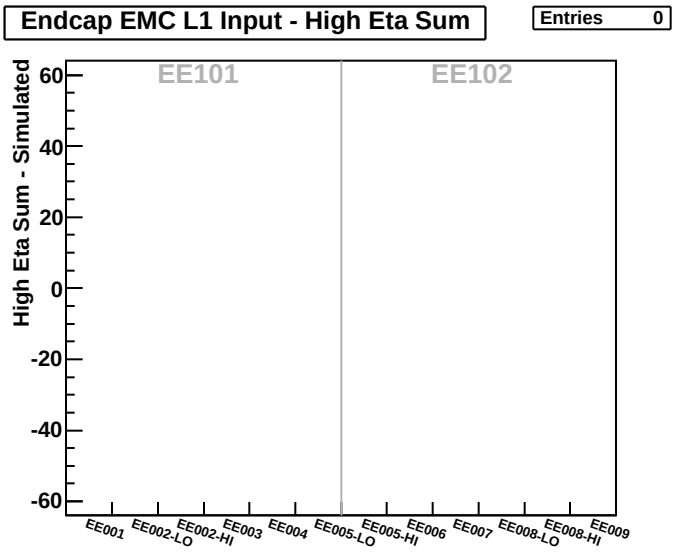

Barrel EMC L1 Input - High Tower Bits
Entries 2221236
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

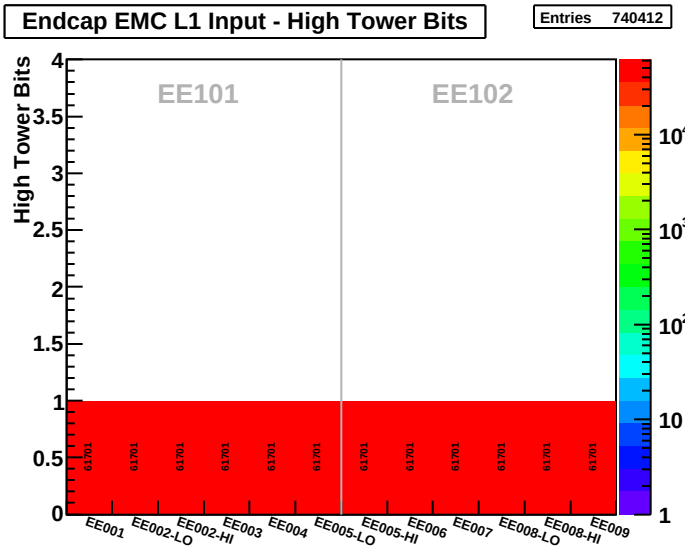

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

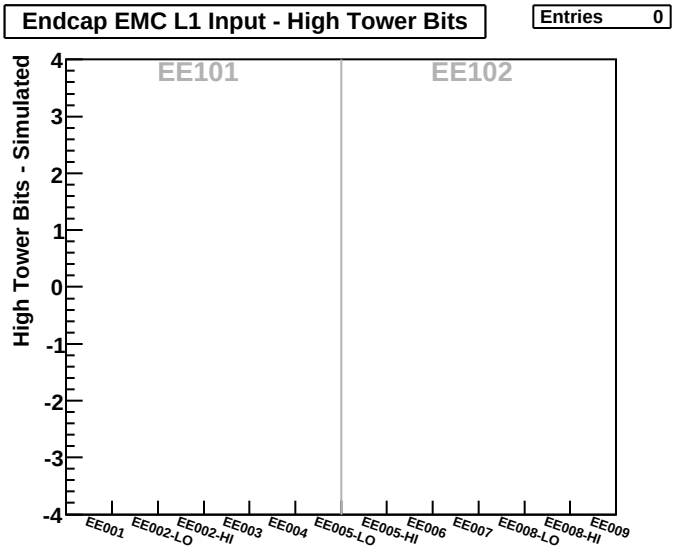

Endcap EMC L1 Input - Low Eta Sum
Entries 740412
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

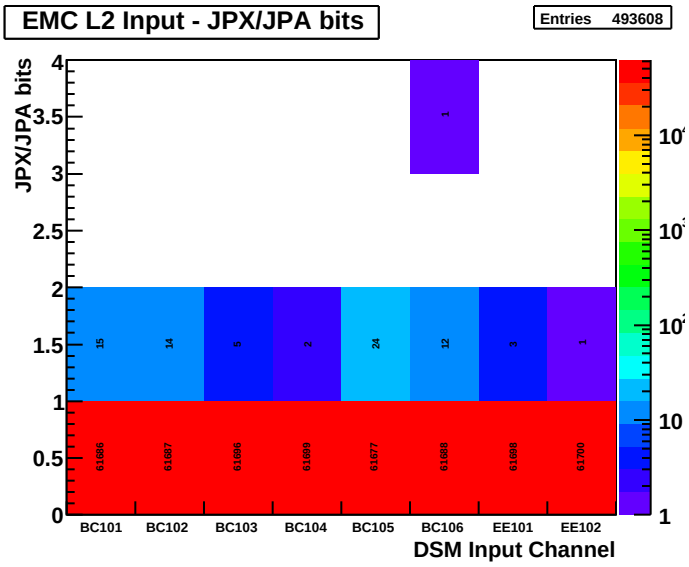

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

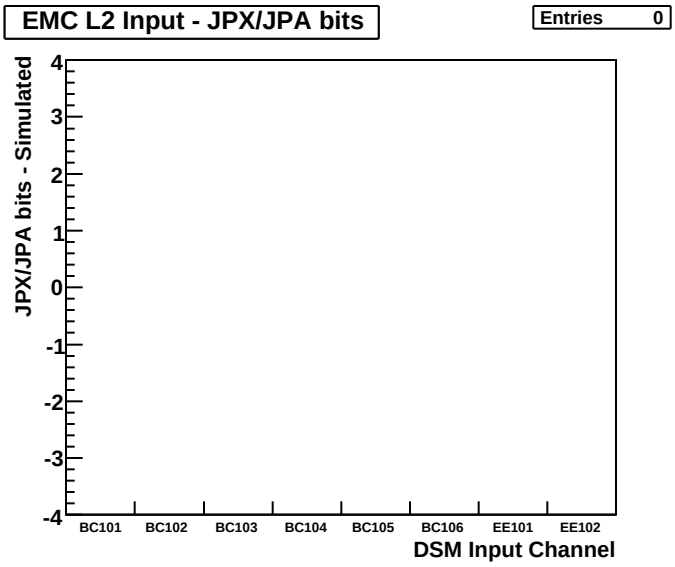

Endcap EMC L1 Input - High Eta Sum
Entries 740412
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

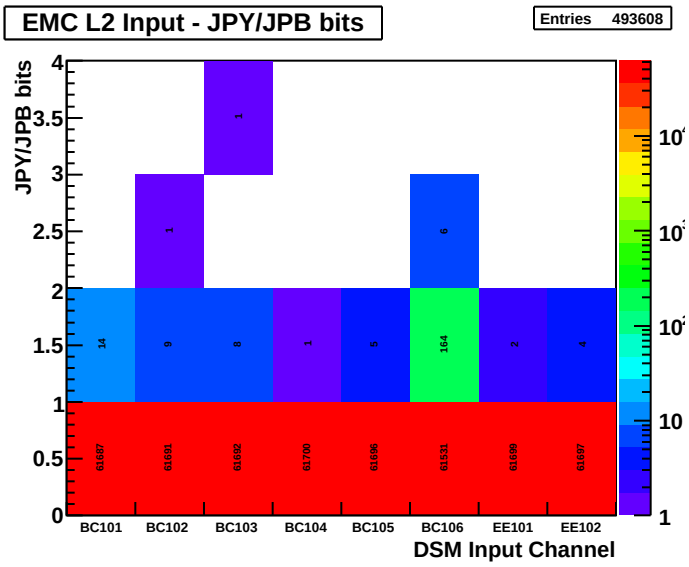

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

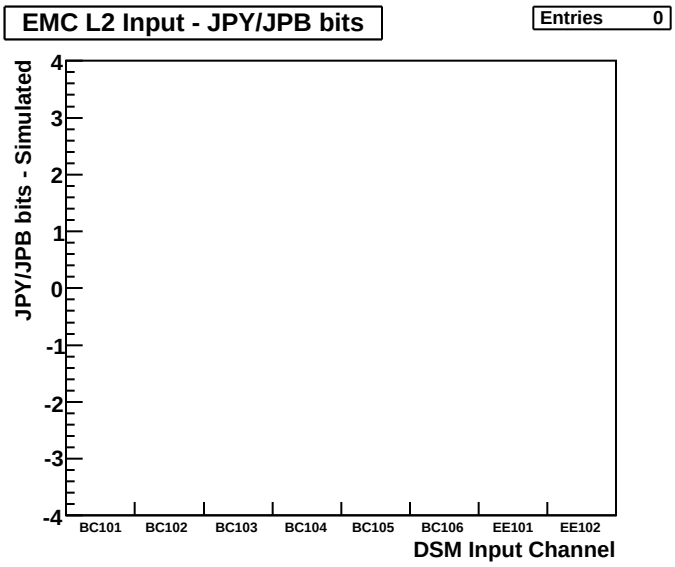

Endcap EMC L1 Input - High Tower Bits
Entries 740412
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

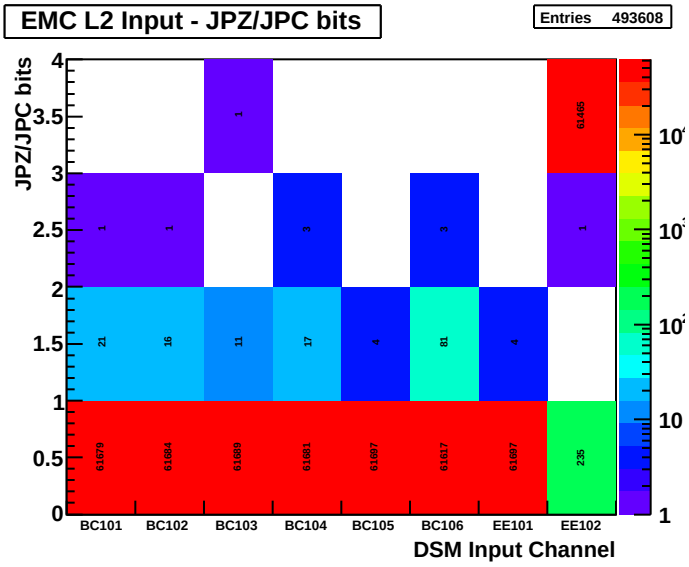

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

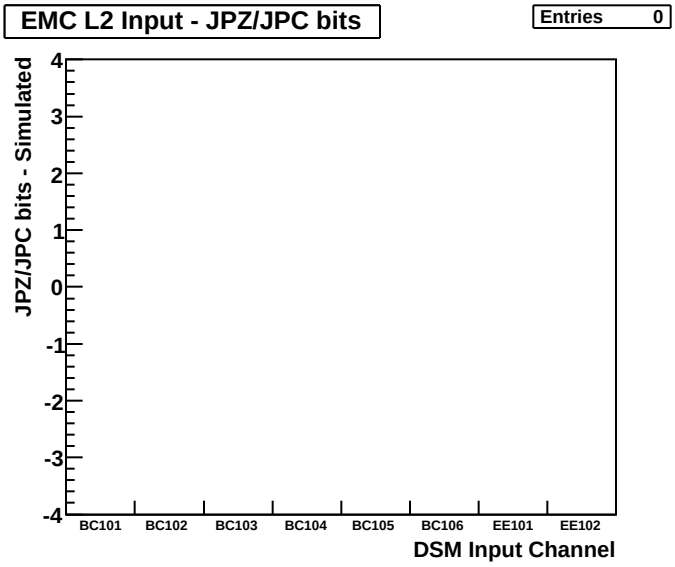

EMC L2 Input - JPX/JPA bits
Entries 493608
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
15 14 5 2 24 12 3 1
61686 61687 61696 61699 61677 61688 61698 61700

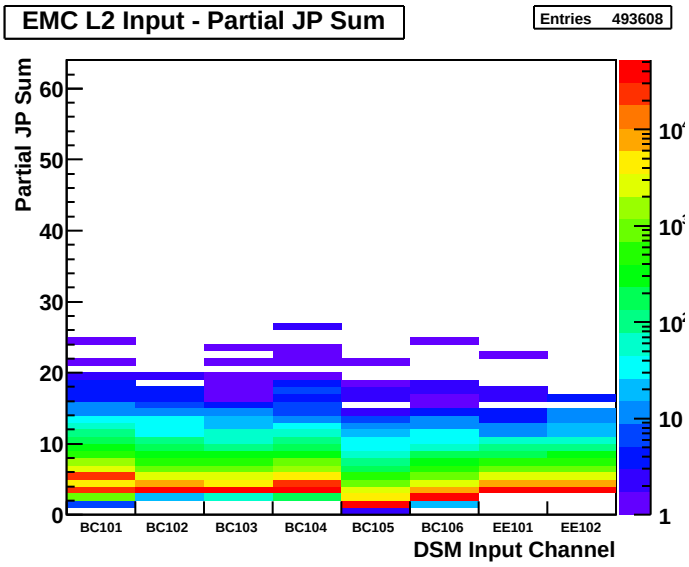

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

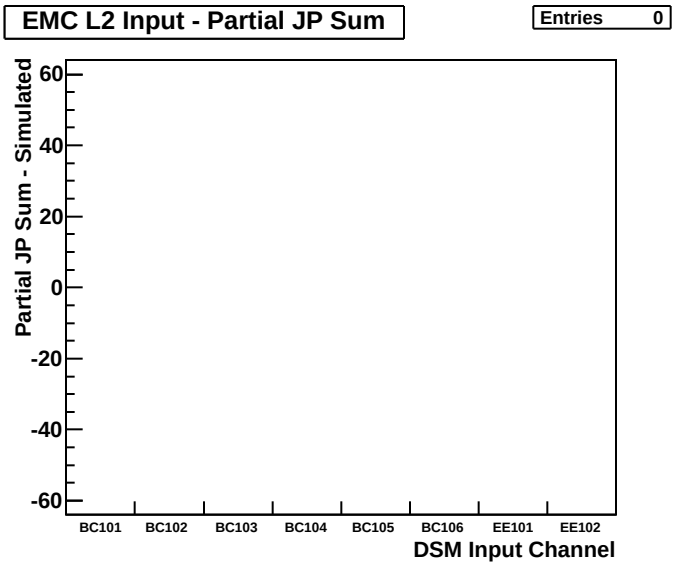

EMC L2 Input - JPY/JPB bits
Entries 493608
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
14 9 8 1 5 164 2 4
61687 61691 61692 61700 61696 61531 61699 61697

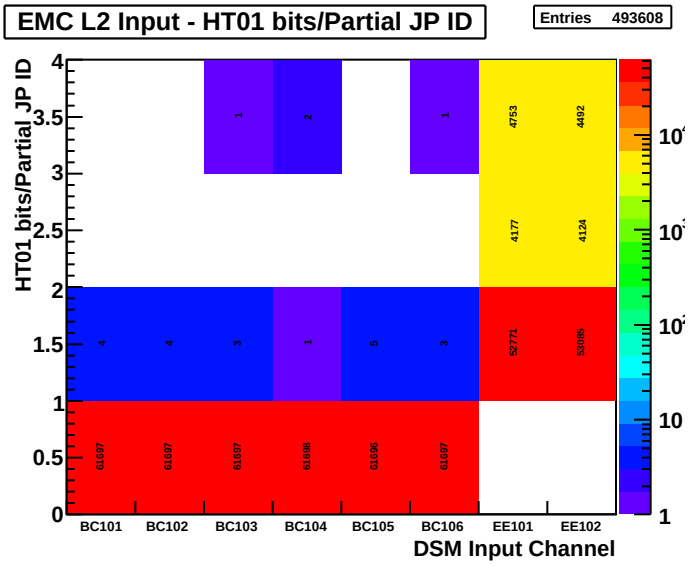

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

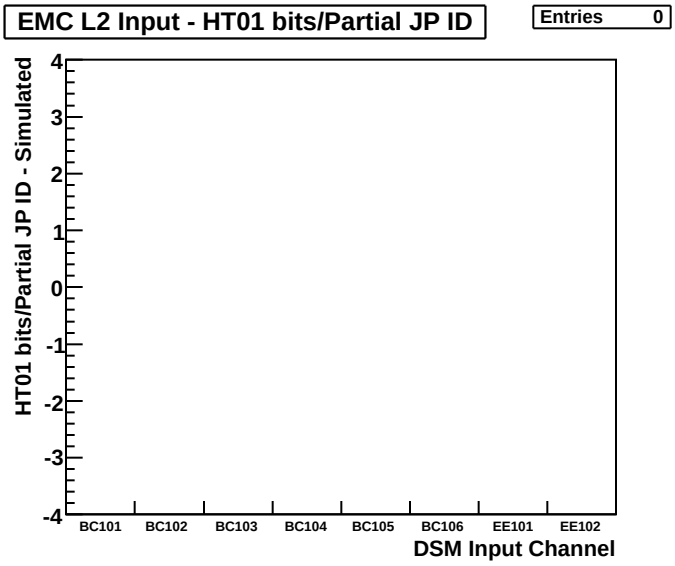

EMC L2 Input - JPZ/JPC bits
Entries 493608
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
21 16 11 17 4 81 4
61679 61684 61689 61691 61697 61617 61697 235

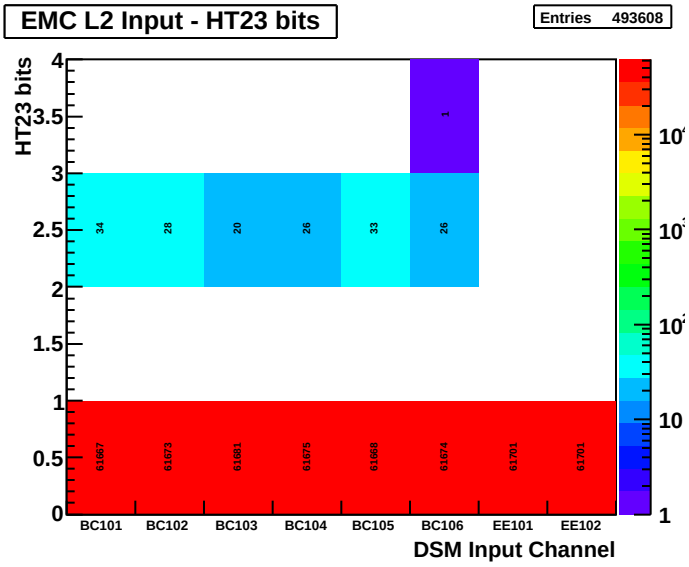

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

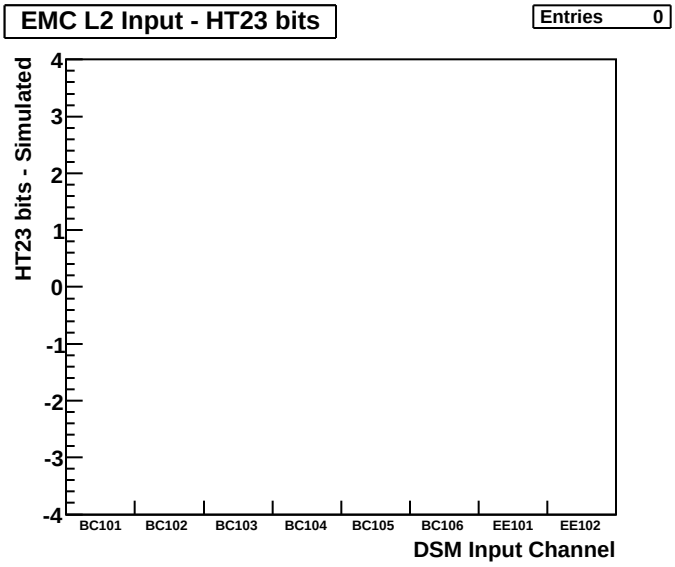

EMC L2 Input - Partial JP Sum
Entries 493608
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

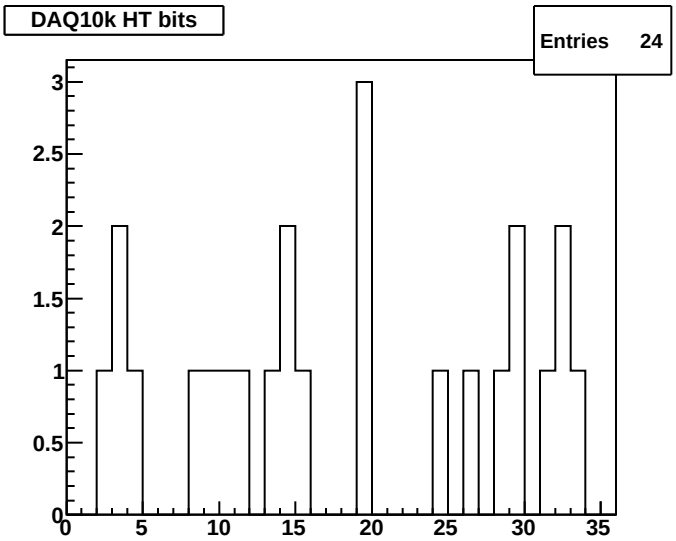

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

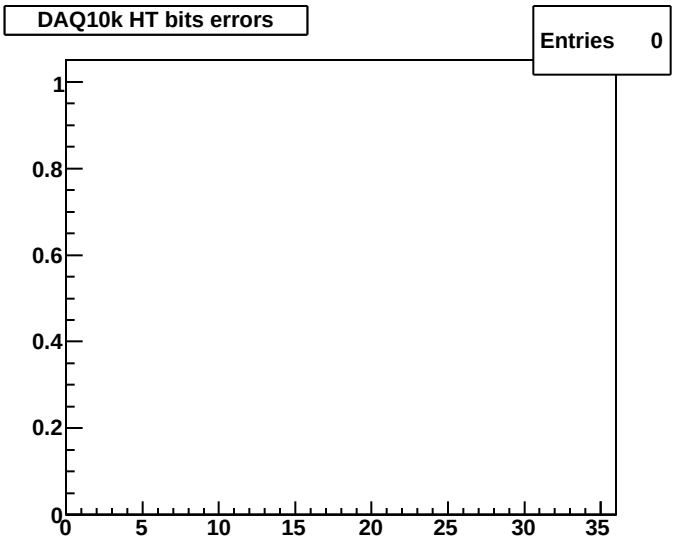

EMC L2 Input - HT01 bits/Partial JP ID
Entries 493608
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

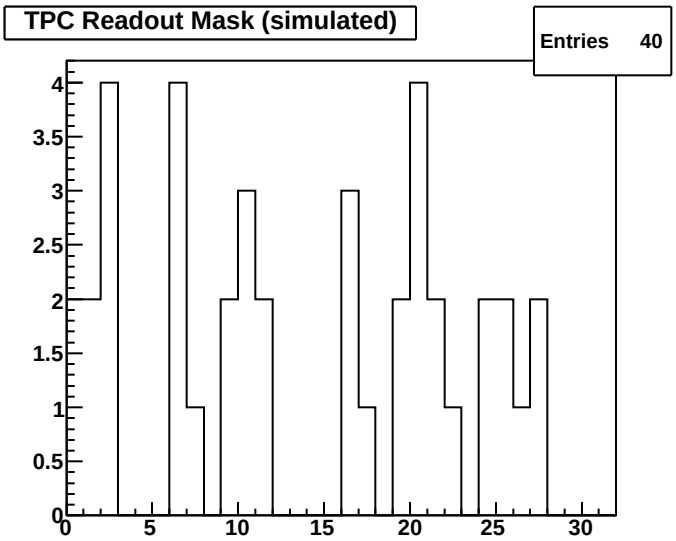

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

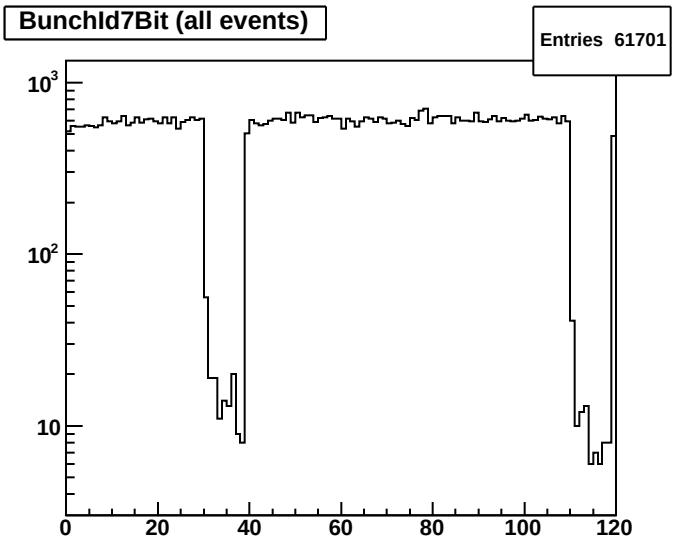

EMC L2 Input - HT23 bits
Entries 493608
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

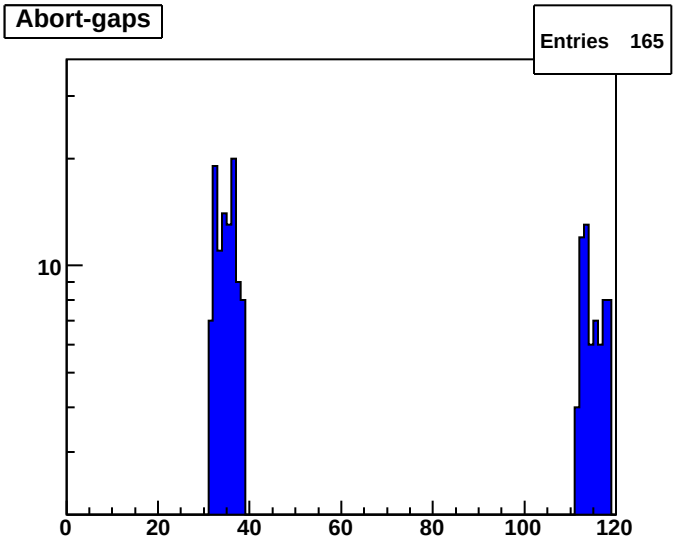

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

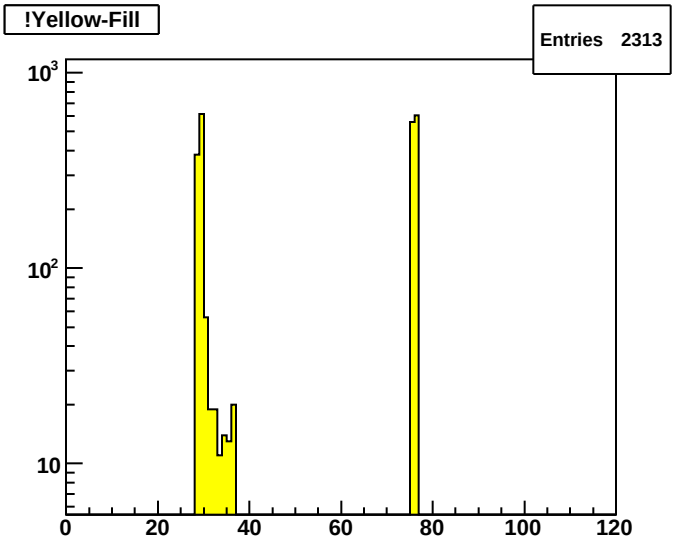

DAQ10k HT bits
Entries 24

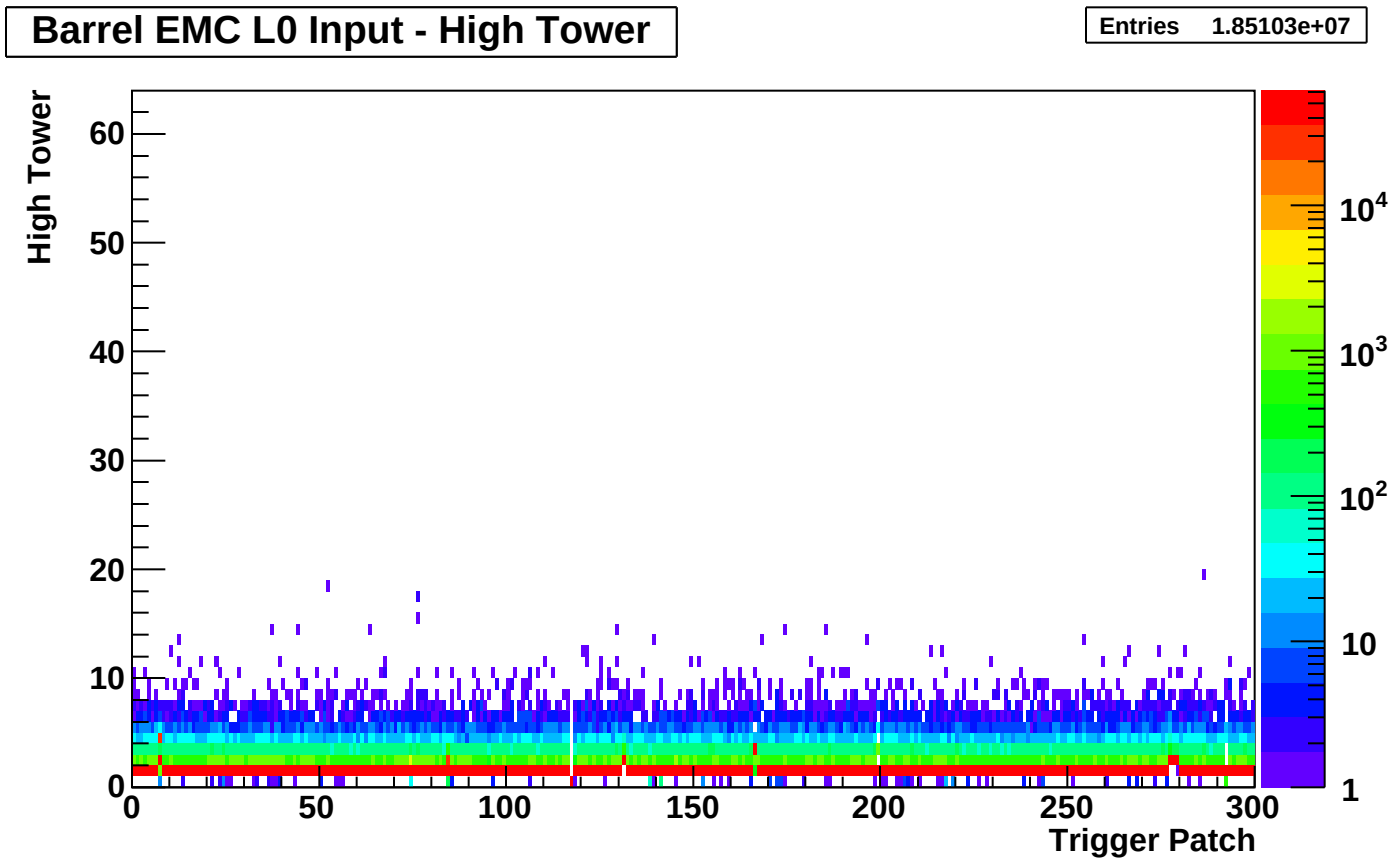

DAQ10k HT bits errors
Entries 0

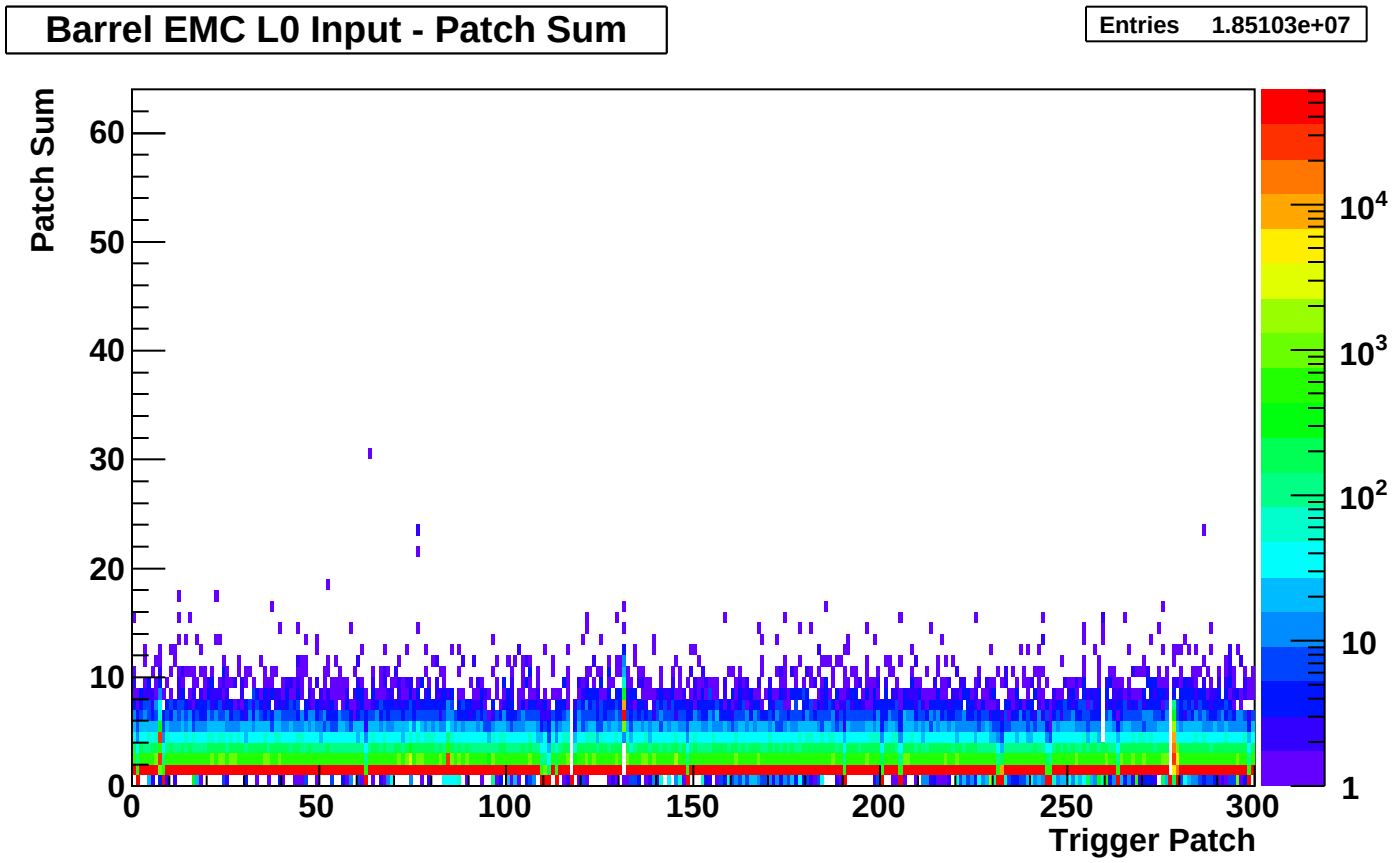

TPC Readout Mask (simulated)
Entries 40

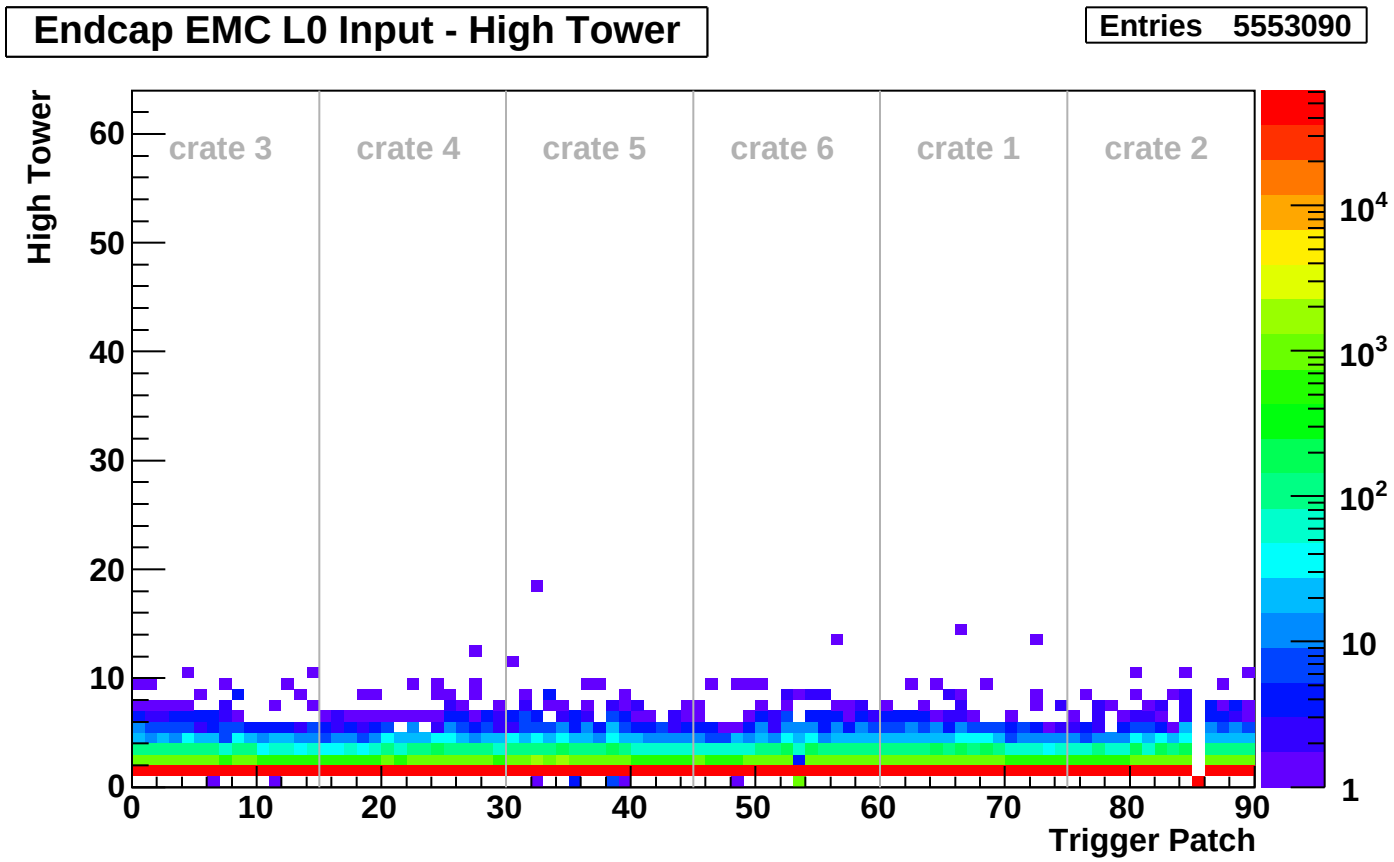

BunchId7Bit (all events)
Entries 61701

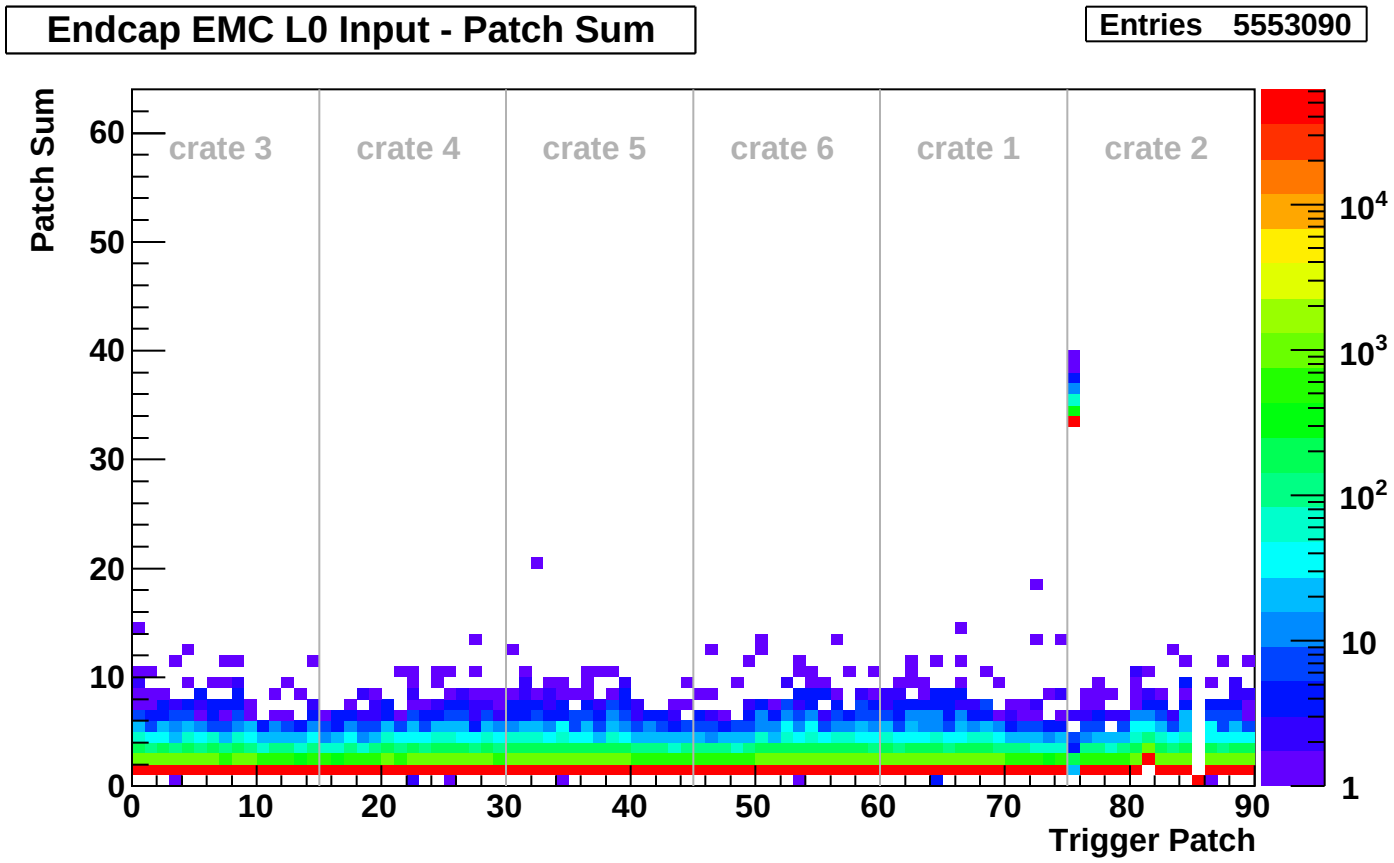

Abort-gaps
Entries 165

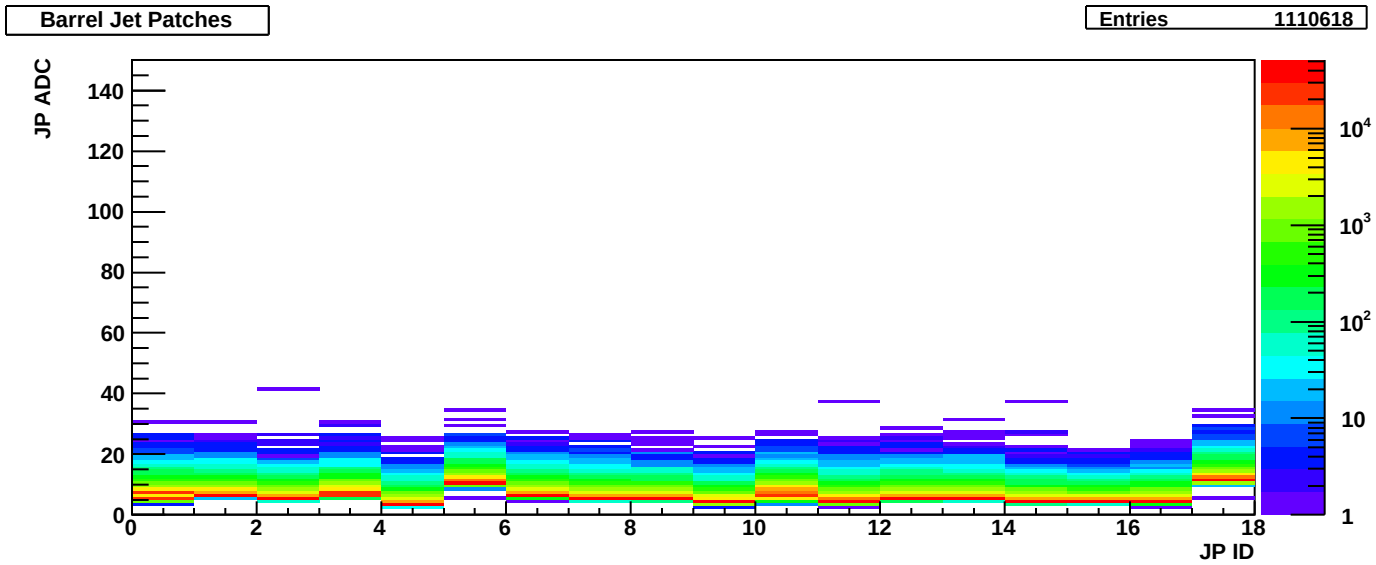

!Yellow-Fill
Entries 2313

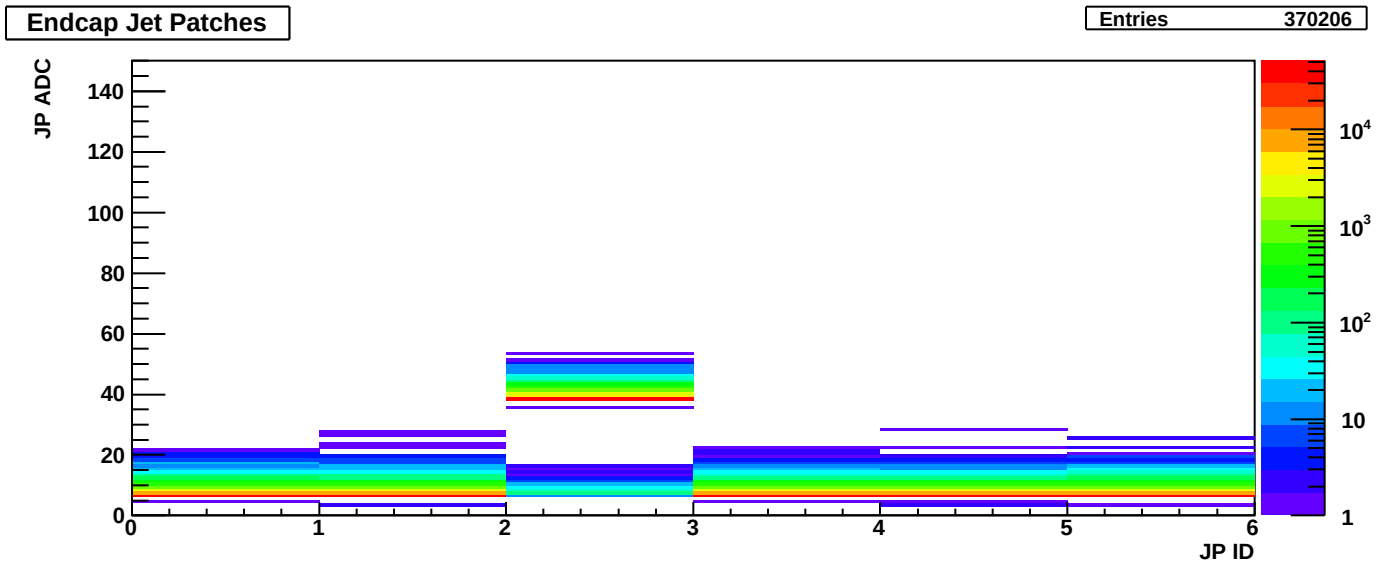

Barrel EMC L0 Input - High Tower
Entries 1.85103e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

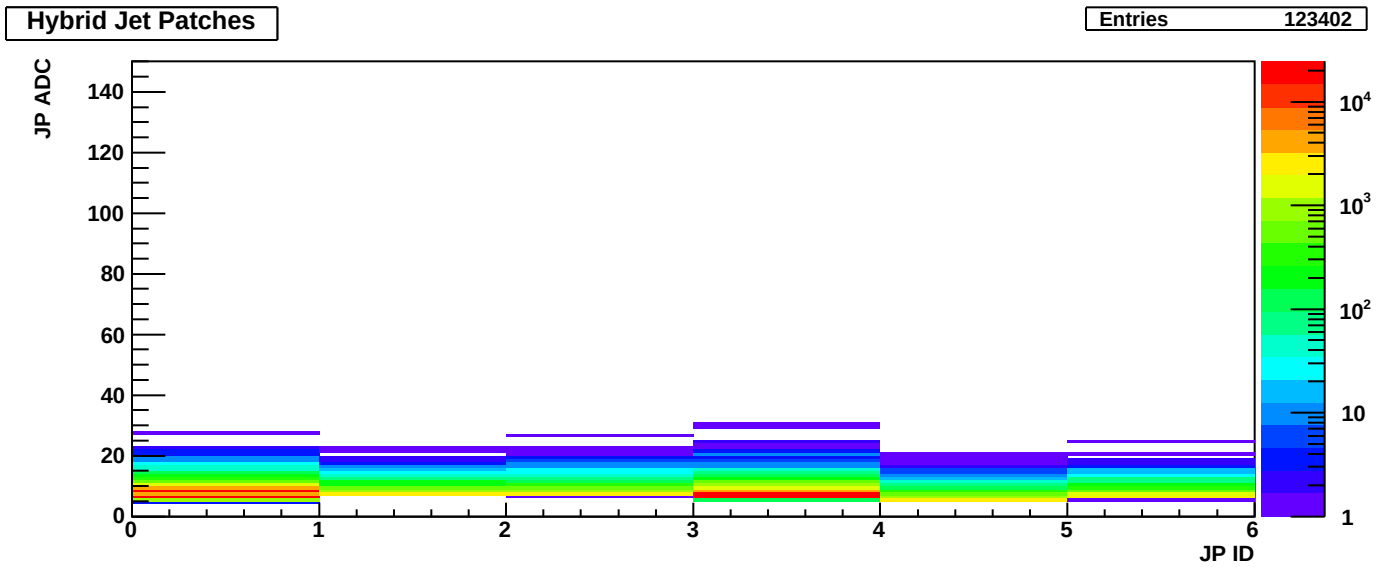

Barrel EMC L0 Input - Patch Sum
Entries 1.85103e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

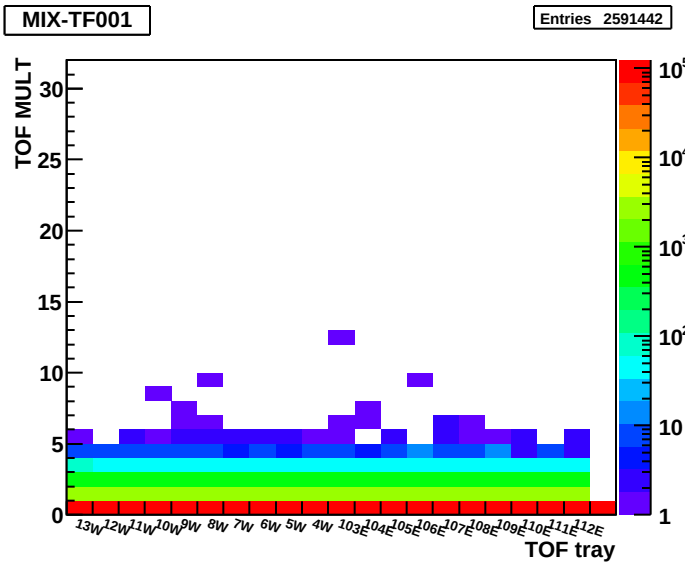

Endcap EMC L0 Input - High Tower
Entries 5553090
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

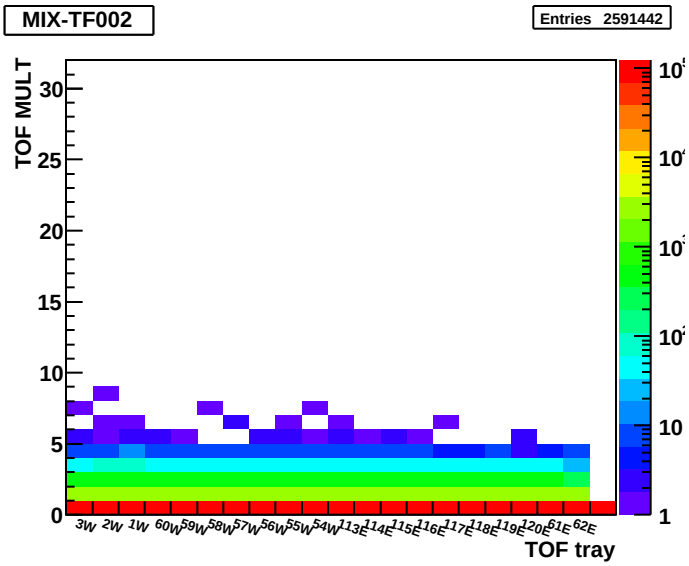

Endcap EMC L0 Input - Patch Sum
Entries 5553090
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

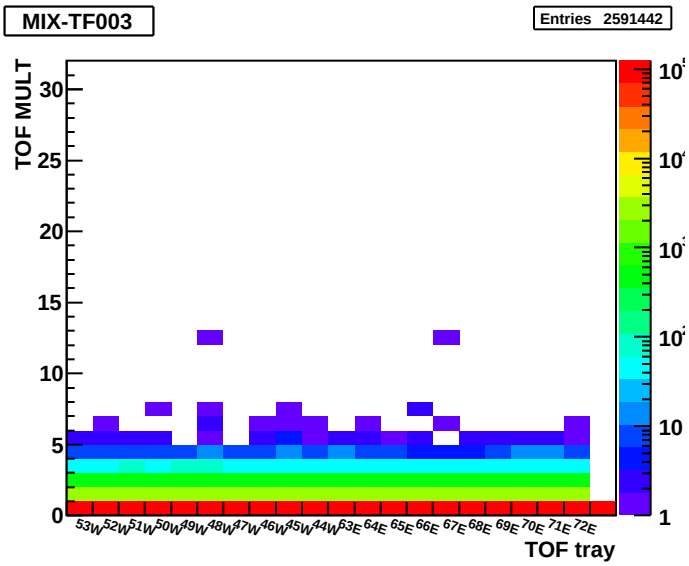

Barrel Jet Patches
Entries 1110618
JP ADC
JP ID

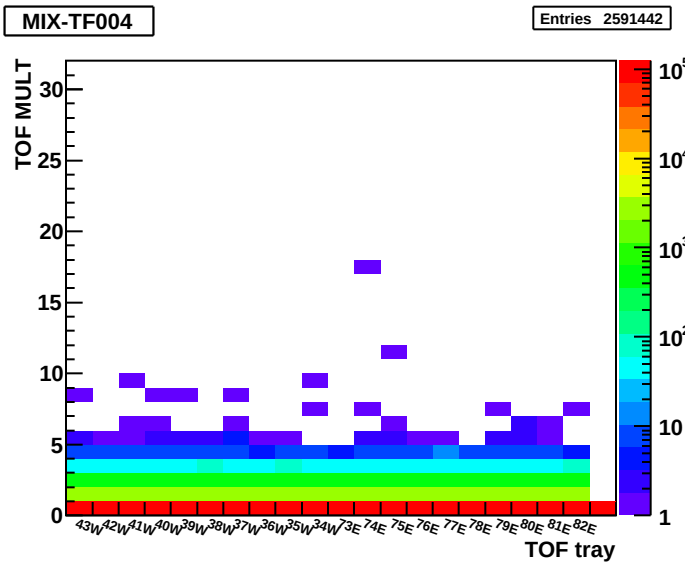

Endcap Jet Patches
Entries 370206
JP ADC
JP ID

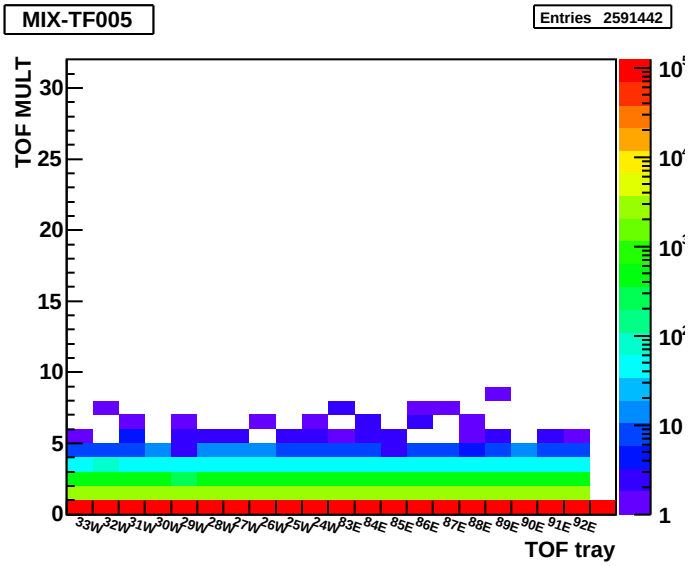

Hybrid Jet Patches
Entries 123402
JP ADC
JP ID

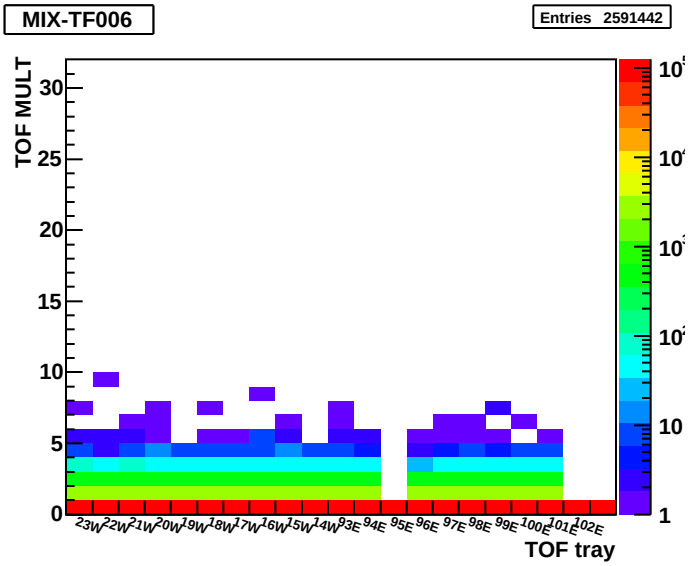

MIX-TF001
Entries 2591442
TOF MULT
TOF tray

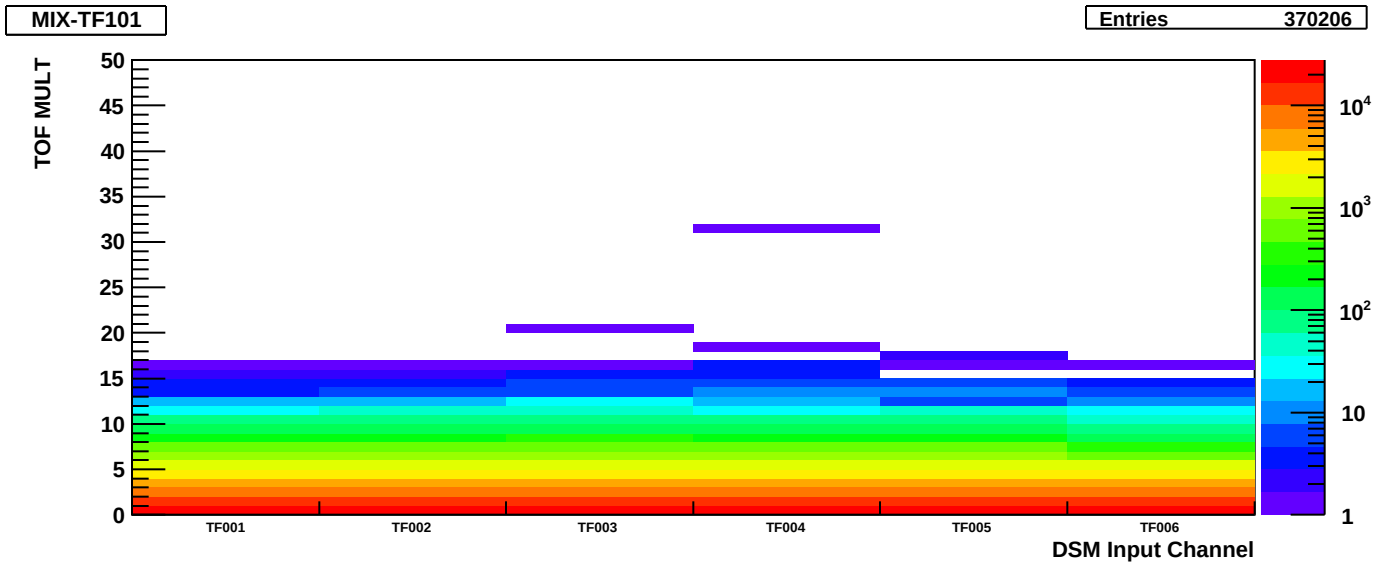

MIX-TF002
Entries 2591442
TOF MULT
TOF tray

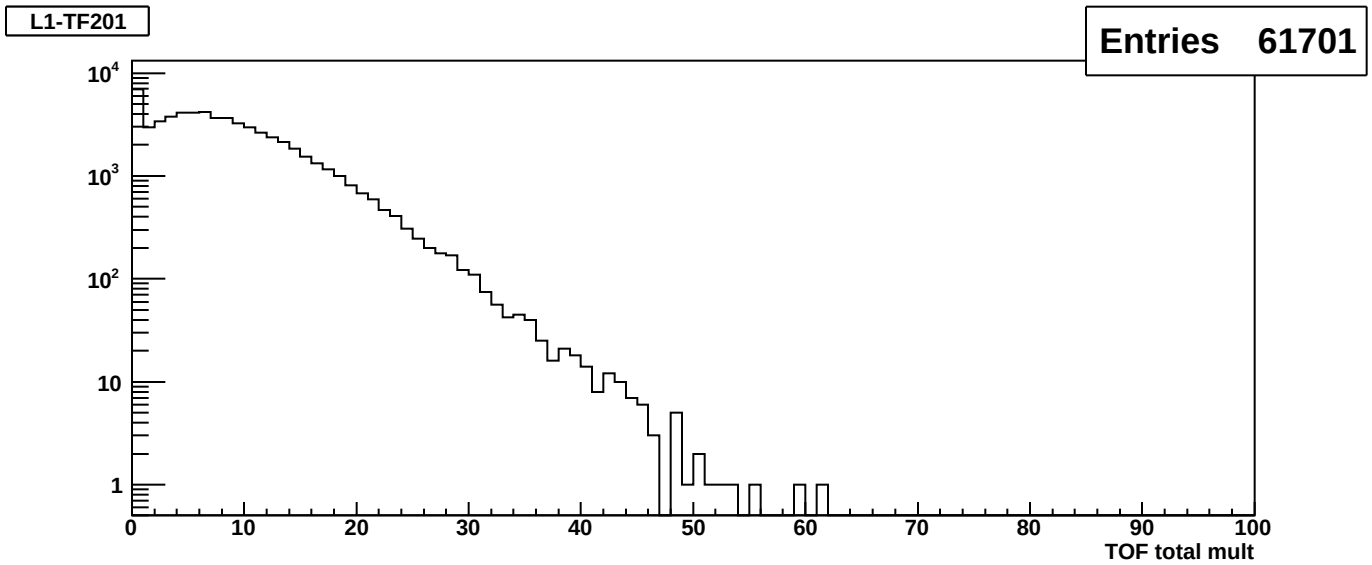

MIX-TF003
Entries 2591442
TOF MULT
TOF tray

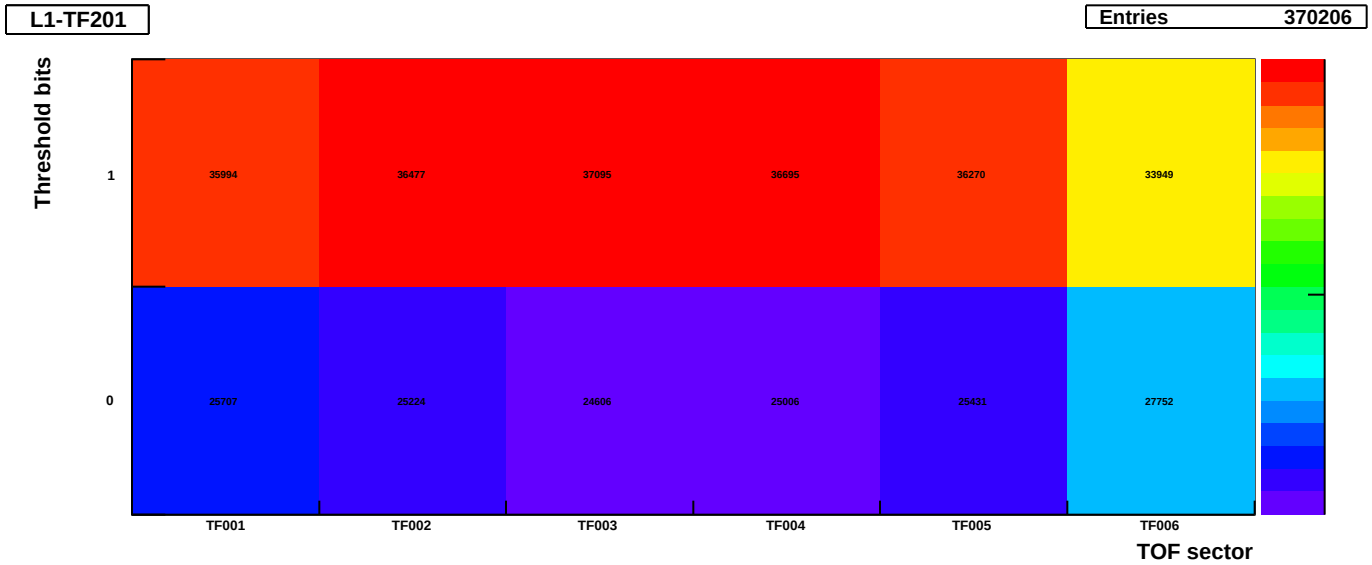

MIX-TF004
Entries 2591442
TOF MULT
TOF tray

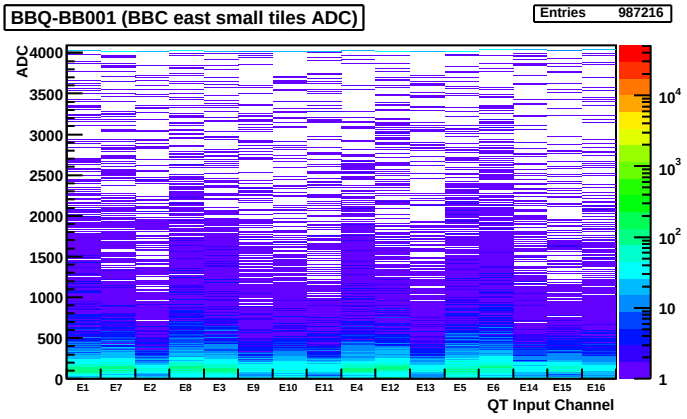

MIX-TF005
Entries 2591442
TOF MULT
TOF tray

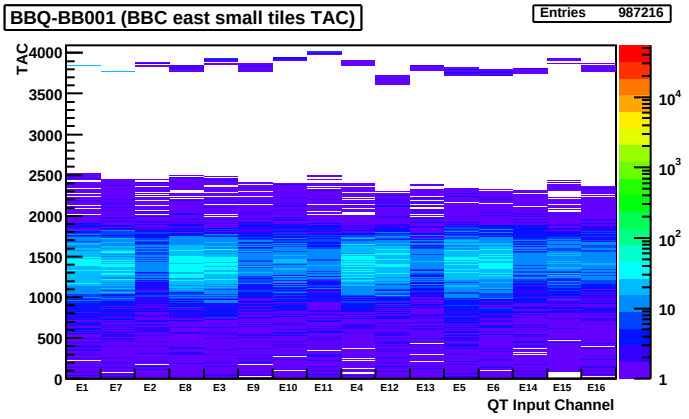

MIX-TF006
Entries 2591442
TOF MULT
TOF tray

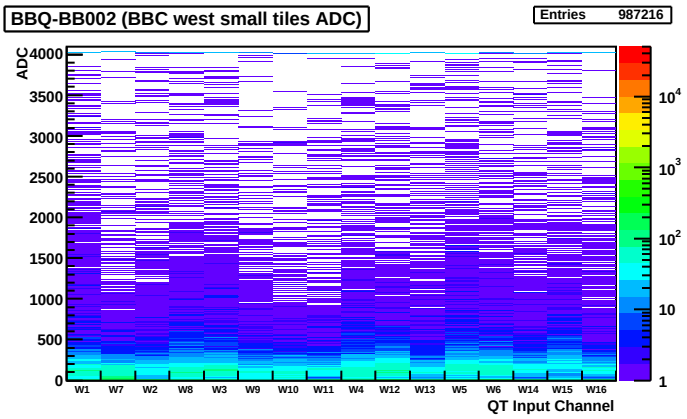

MIX-TF101
Entries 370206
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

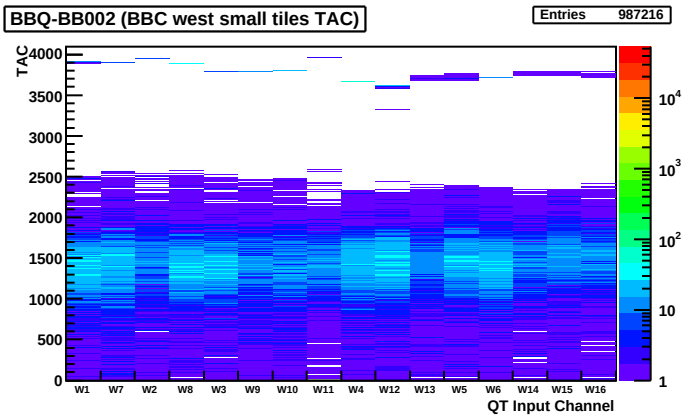

L1-TF201
Entries 61701
TOF total mult

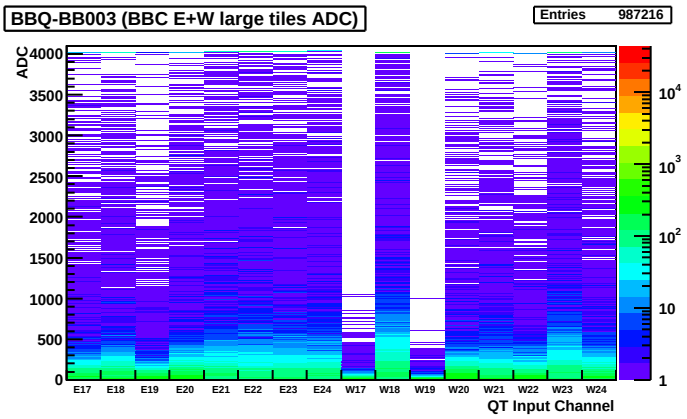

L1-TF201
Entries 370206
Threshold bits
35994
36477
37095
36695
36270
33949
25707
25224
24606
25006
25431
27752
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

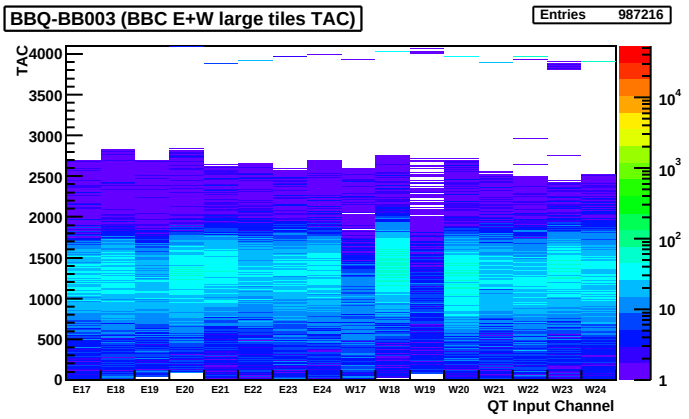

BBQ-BB001 (BBC east small tiles ADC)
Entries 987216
ADC
QT Input Channel

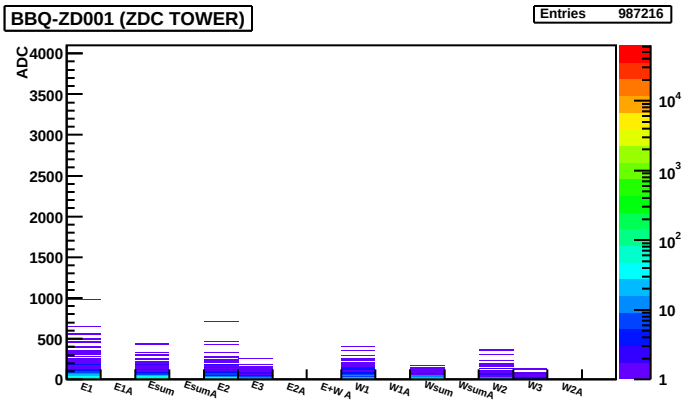

BBQ-BB001 (BBC east small tiles TAC)
Entries 987216
TAC
QT Input Channel

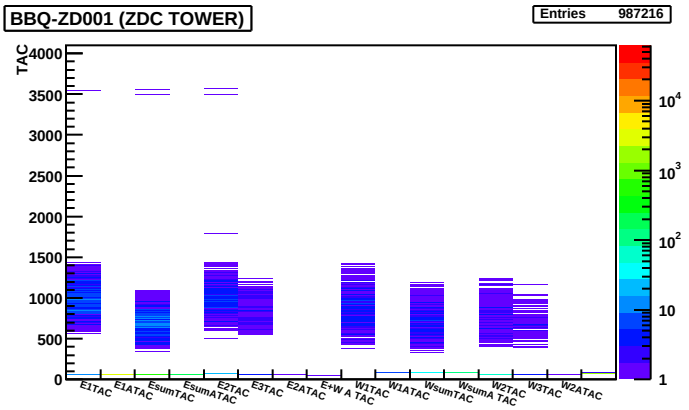

BBQ-BB002 (BBC west small tiles ADC)
Entries 987216
ADC
QT Input Channel

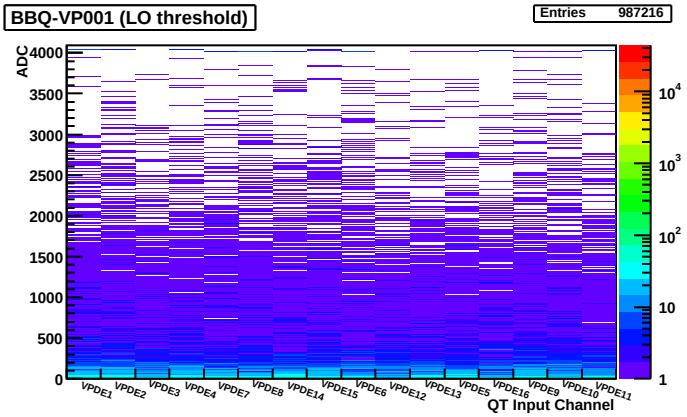

BBQ-BB002 (BBC west small tiles TAC)
Entries 987216
TAC
QT Input Channel

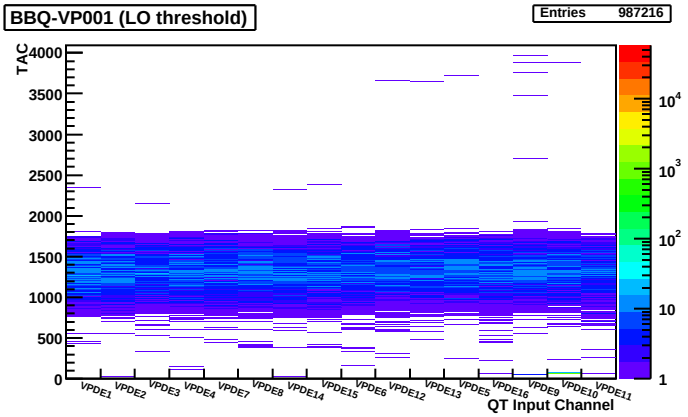

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 987216
ADC
QT Input Channel

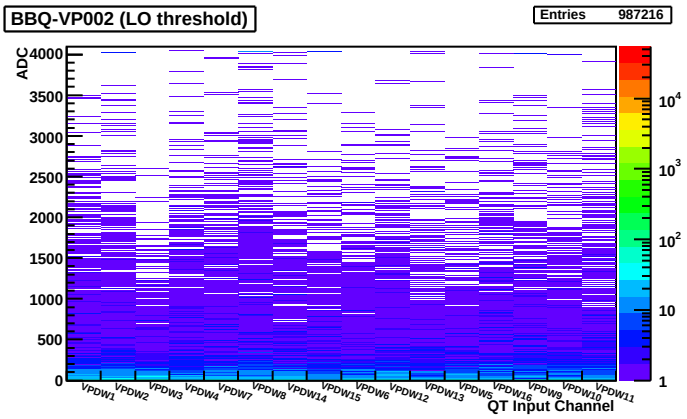

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 987216
TAC
QT Input Channel

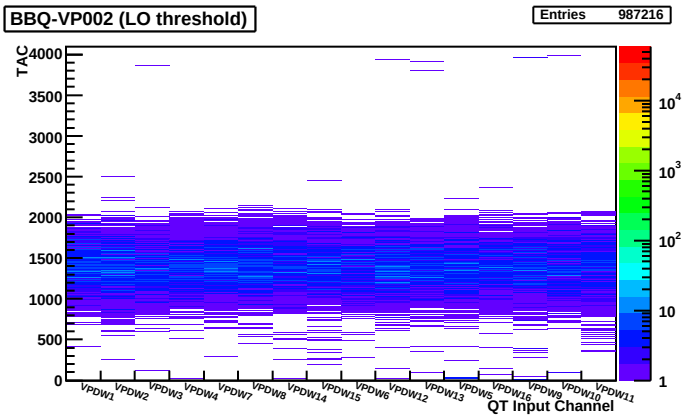

BBQ-ZD001 (ZDC TOWER)
Entries 987216
ADC

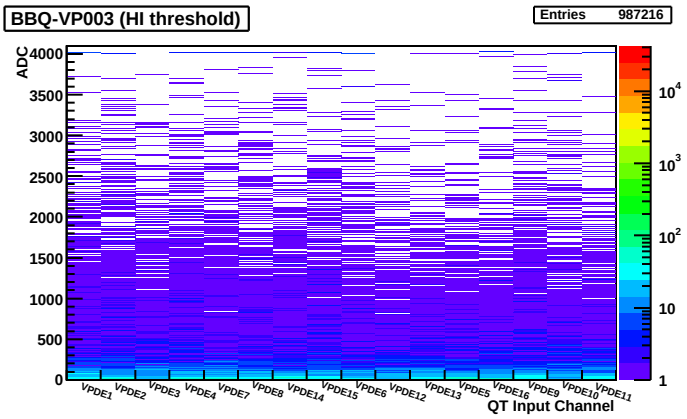

BBQ-ZD001 (ZDC TOWER)
Entries 987216
TAC

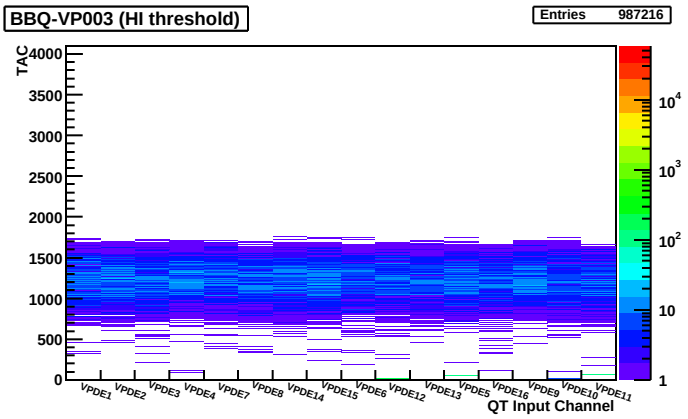

BBQ-VP001 (LO threshold)
Entries 987216
ADC
QT Input Channel

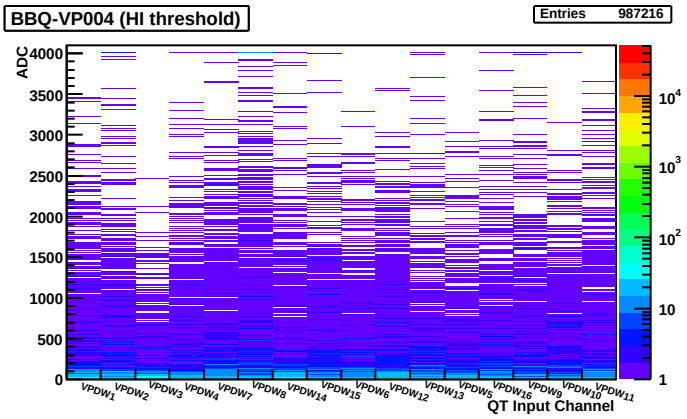

BBQ-VP001 (LO threshold)
Entries 987216
TAC
QT Input Channel

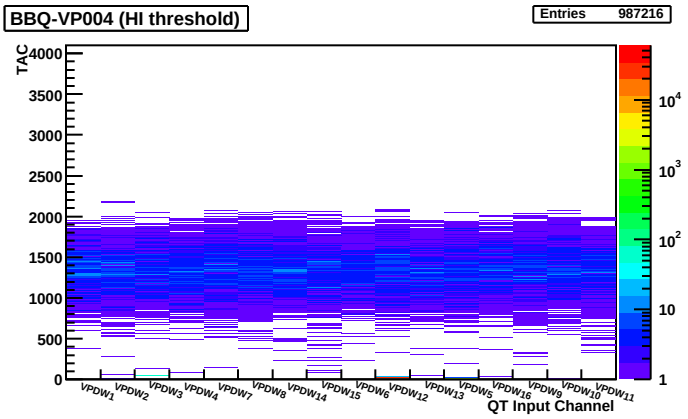

BBQ-VP002 (LO threshold)
Entries 987216
ADC
QT Input Channel

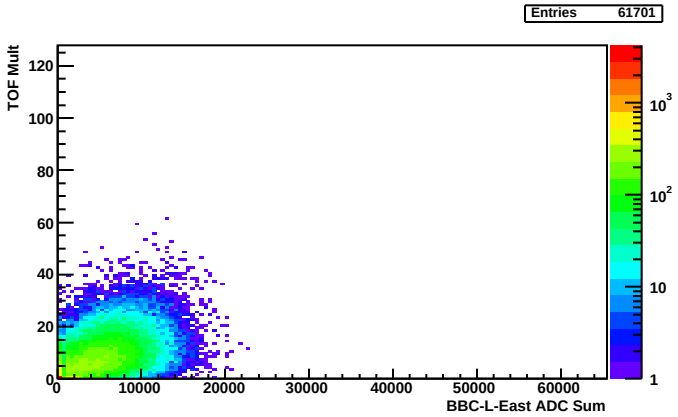

BBQ-VP002 (LO threshold)
Entries 987216
TAC
QT Input Channel

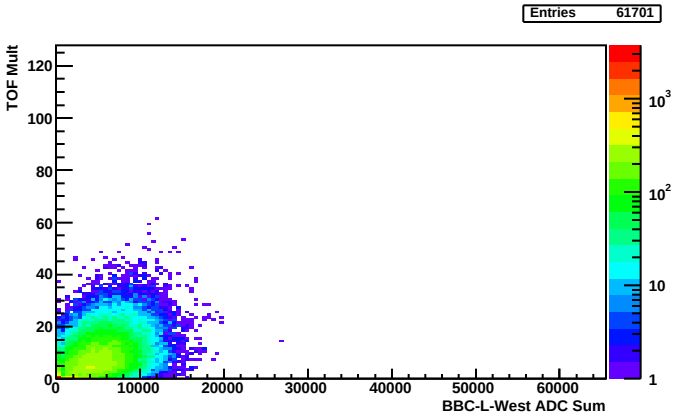

BBQ-VP003 (HI threshold)
Entries 987216
ADC
QT Input Channel

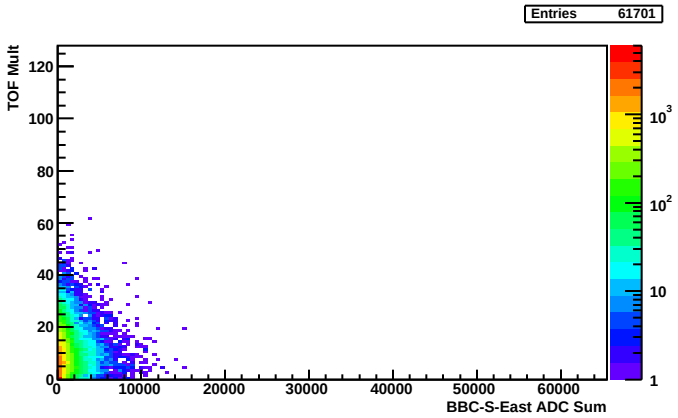

BBQ-VP003 (HI threshold)
Entries 987216
TAC
QT Input Channel

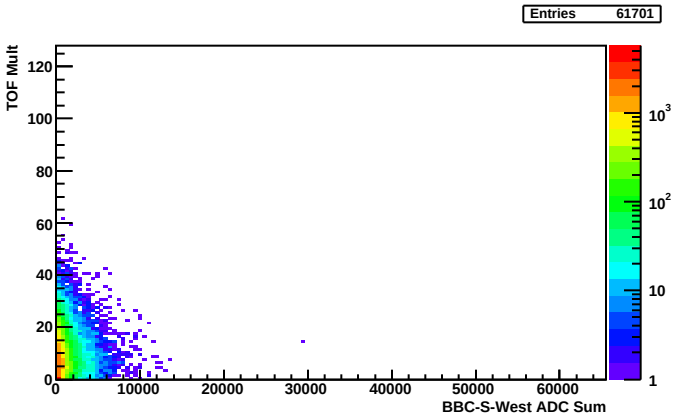

BBQ-VP004 (HI threshold)
Entries 987216
ADC
QT Input Channel

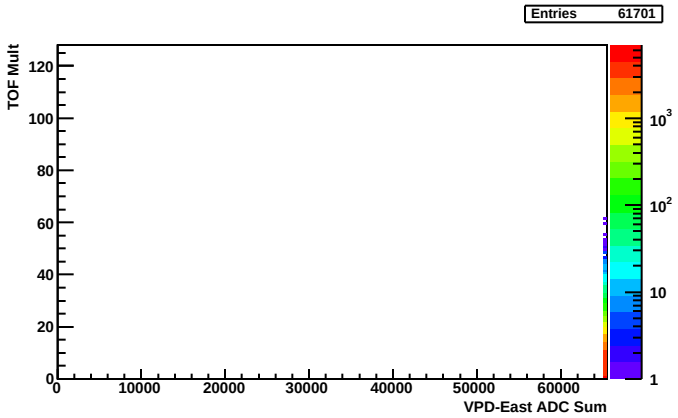

BBQ-VP004 (HI threshold)
Entries 987216
TAC
QT Input Channel

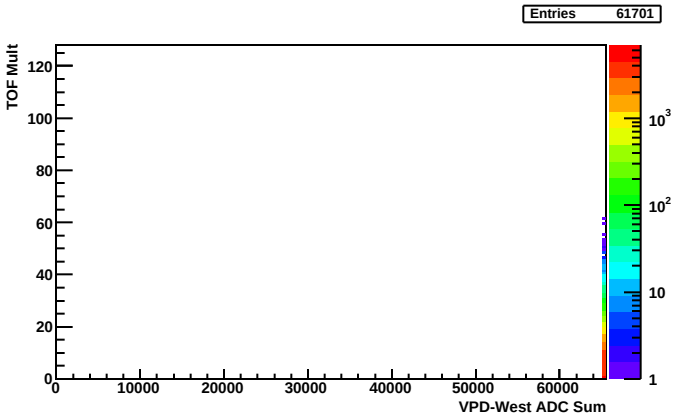

Entries 61701
TOF Mult
BBC-L-East ADC Sum

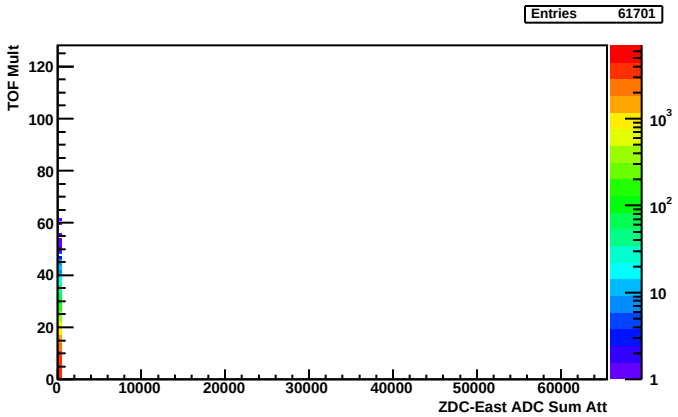

Entries 61701
TOF Mult
BBC-L-West ADC Sum

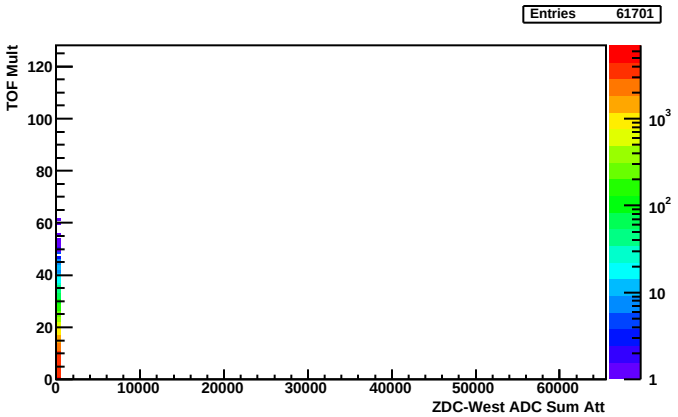

Entries 61701
TOF Mult
BBC-S-East ADC Sum

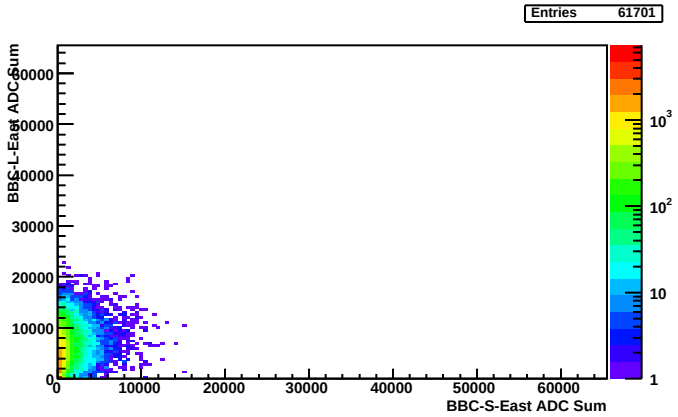

Entries 61701
TOF Mult
BBC-S-West ADC Sum

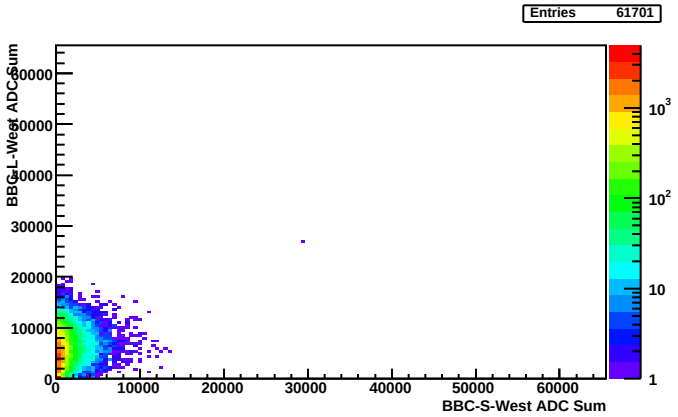

Entries 61701
TOF Mult
VPD-East ADC Sum

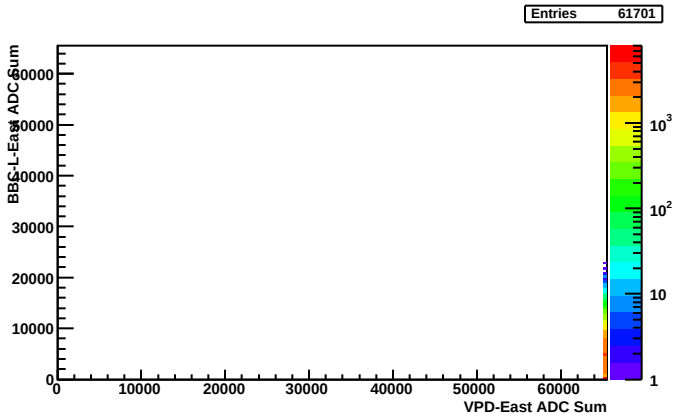

Entries 61701
TOF Mult
VPD-West ADC Sum

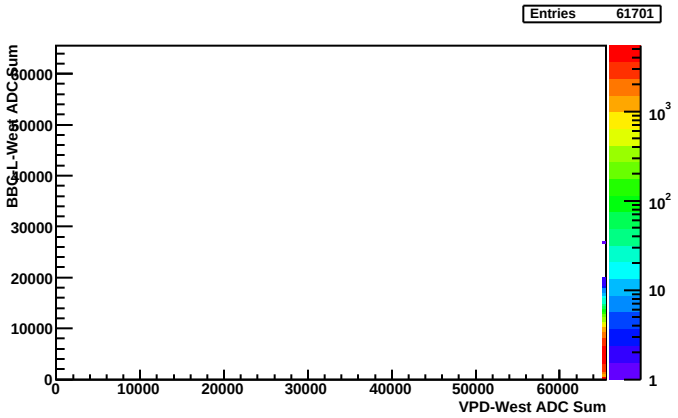

Entries 61701
TOF Mult
ZDC-East ADC Sum Att

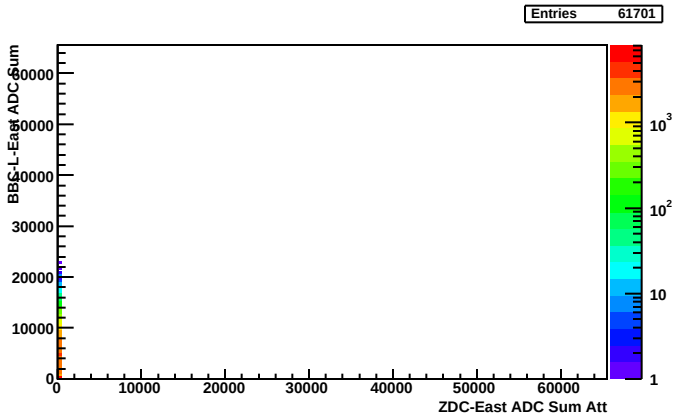

Entries 61701
TOF Mult
ZDC-West ADC Sum Att

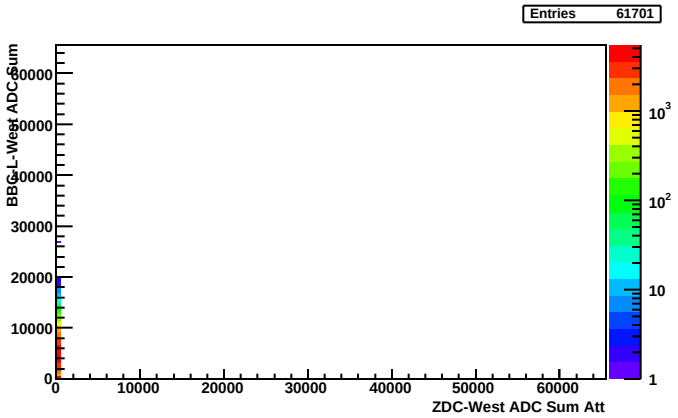

Entries 61701
BBC-L-East ADC Sum
BBC-S-East ADC Sum

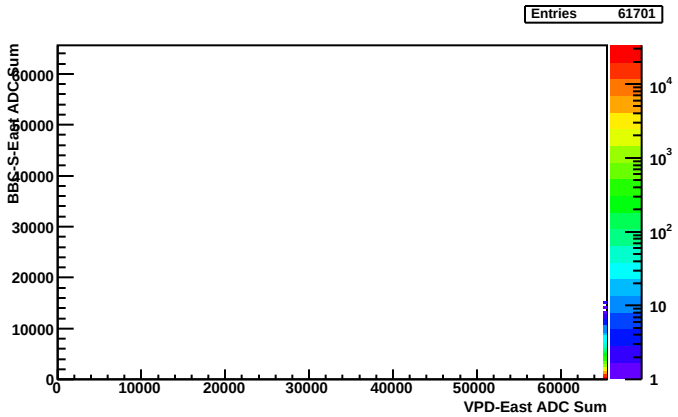

Entries 61701
BBC-L-West ADC Sum
BBC-S-West ADC Sum

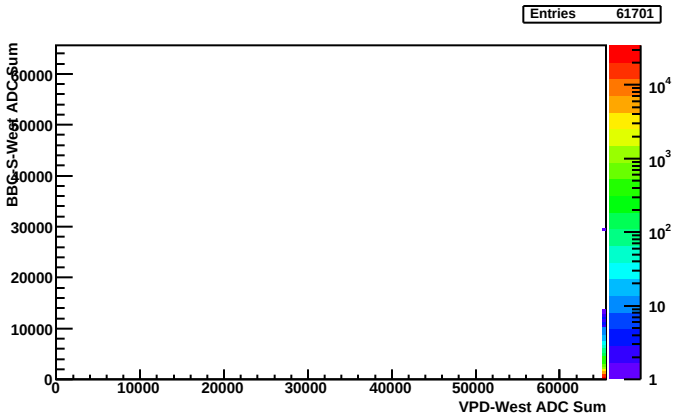

Entries 61701
BBC-L-East ADC Sum
VPD-East ADC Sum

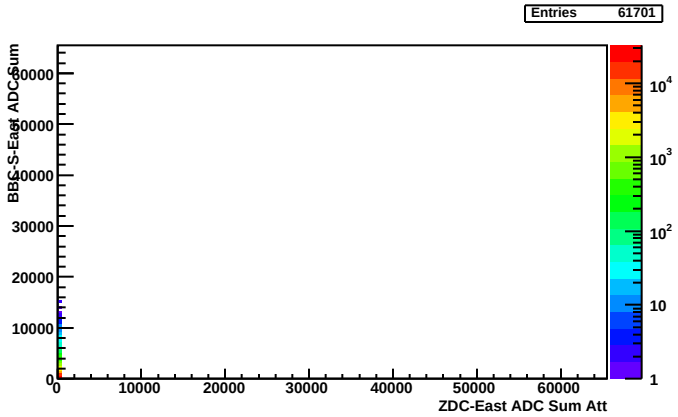

Entries 61701
BBC-L-West ADC Sum
VPD-West ADC Sum

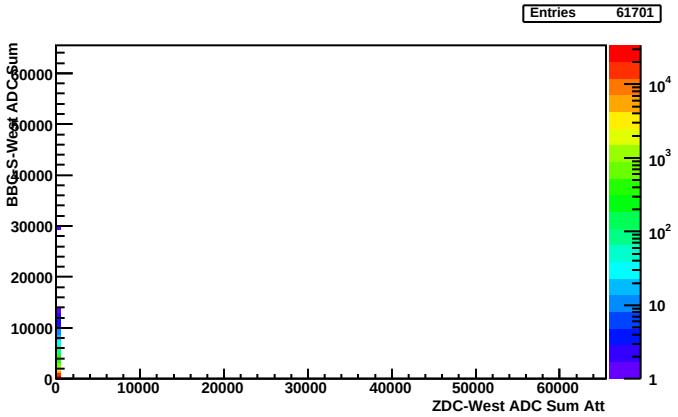

Entries 61701
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

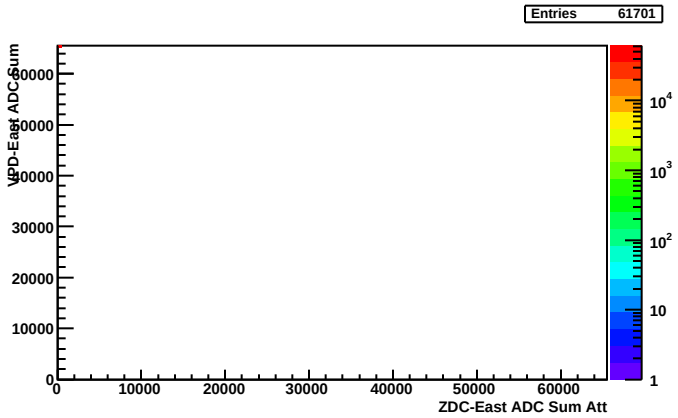

Entries 61701
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

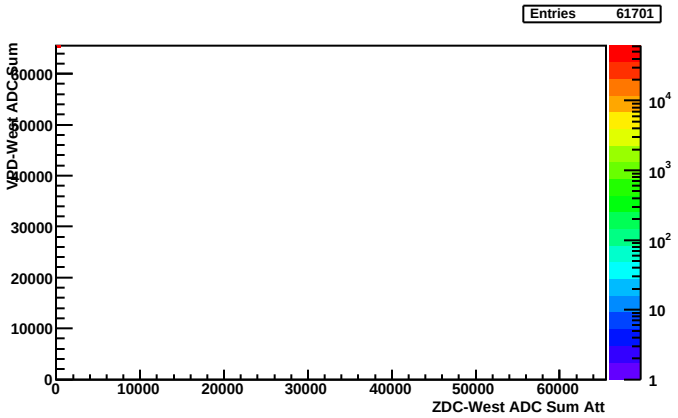

Entries 61701
BBC-S-East ADC Sum
VPD-East ADC Sum


Entries 61701
BBC-S-West ADC Sum
VPD-West ADC Sum


Entries 61701
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 61701
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 61701
VPD-East ADC Sum
ZDC-East ADC Sum Att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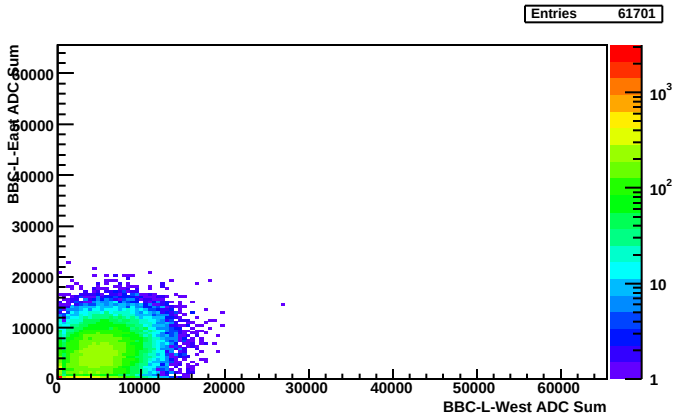
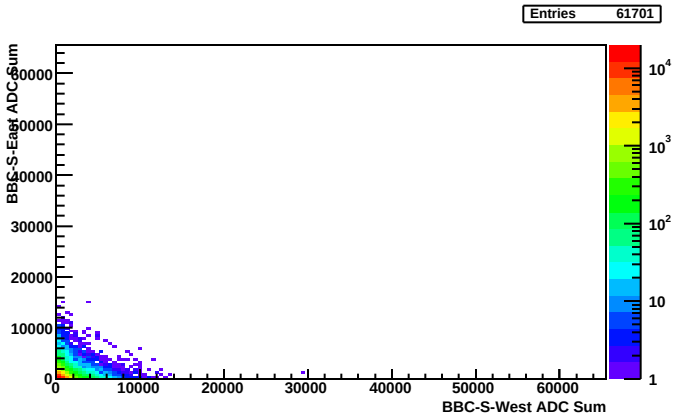
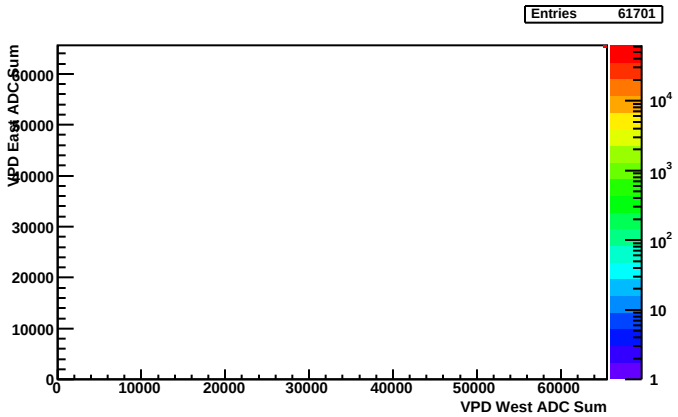
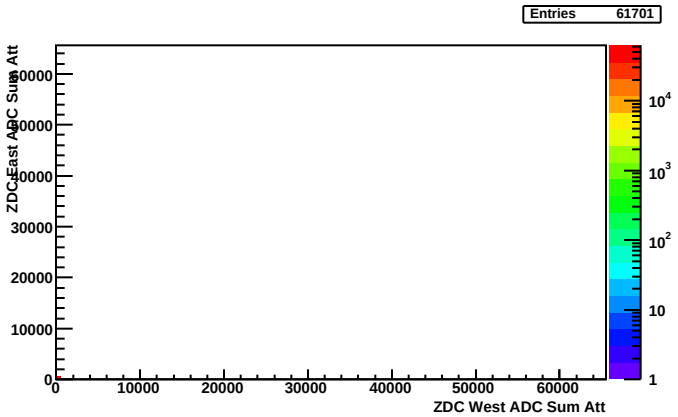
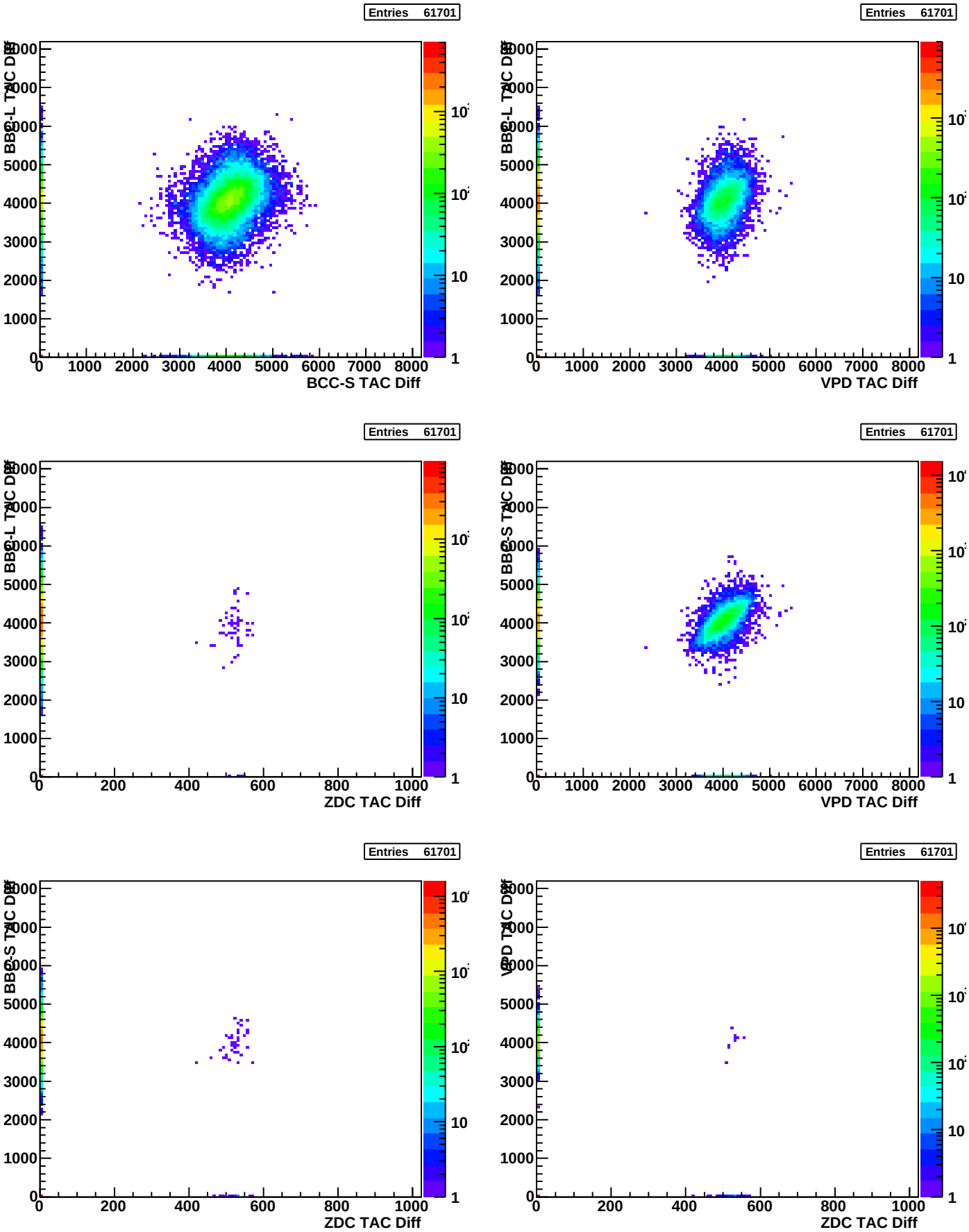
VPD-West ADC Sum
ZDC-West ADC Sum Att

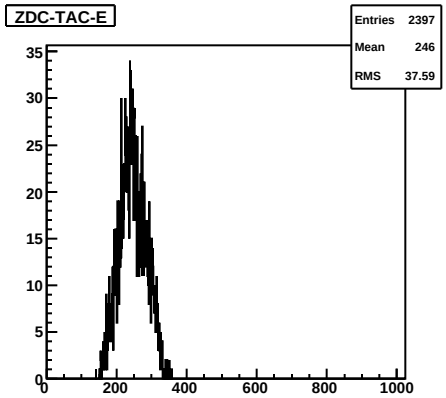

Entries 61701
BBC-L-East ADC Sum
BBC-L-West ADC Sum

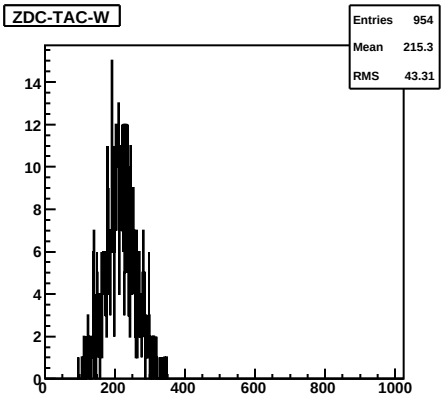

Entries 61701
BBC-S-East ADC Sum
BBC-S-West ADC Sum

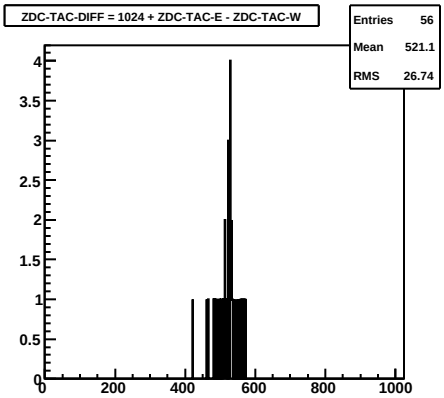

Entries 61701
VPD East ADC Sum
VPD West ADC Sum

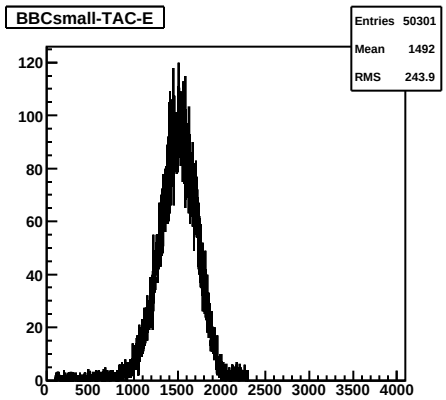

Entries 61701
ZDC East ADC Sum Att
ZDC West ADC Sum Att

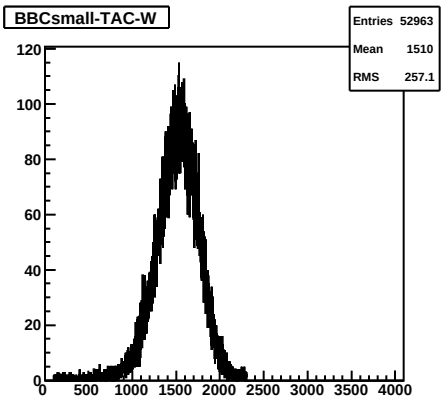

Entries 61701
BBC-L TAC Diff
BCC-S TAC Diff
Entries 61701
BBC-L TAC Diff
VPD TAC Diff
Entries 61701
BBC-L TAC Diff
ZDC TAC Diff
Entries 61701
BBC-S TAC Diff
VPD TAC Diff
Entries 61701
BBC-S TAC Diff
ZDC TAC Diff
Entries 61701
VPD TAC Diff
ZDC TAC Diff

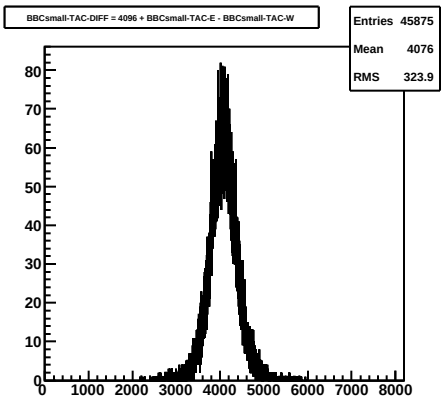

ZDC-TAC-E
Entries 2397
Mean 246
RMS 37.59

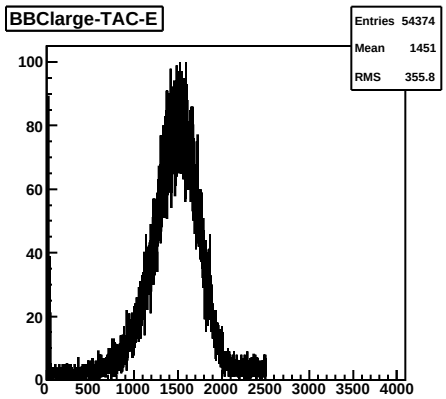

ZDC-TAC-W
Entries 954
Mean 215.3
RMS 43.31

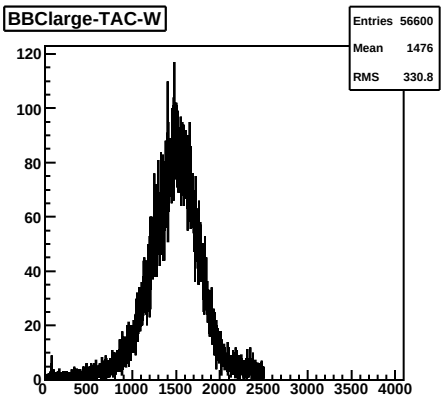

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 56
Mean 521.1
RMS 26.74

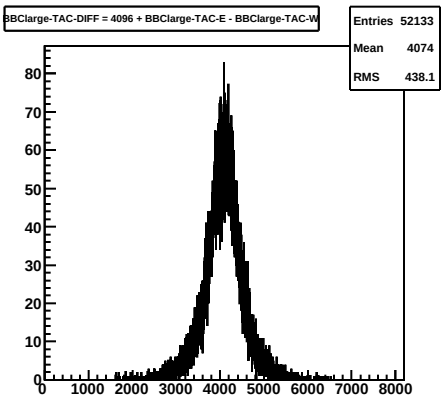

BBCsmall-TAC-E
Entries 50301
Mean 1492
RMS 243.9

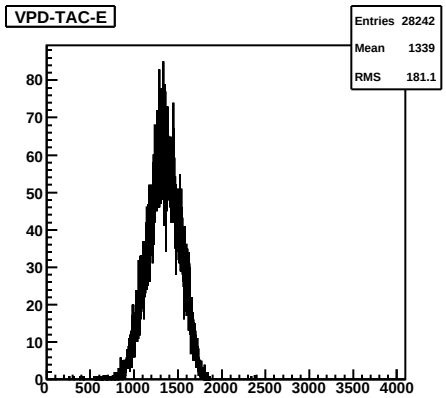

BBCsmall-TAC-W
Entries 52963
Mean 1510
RMS 257.1

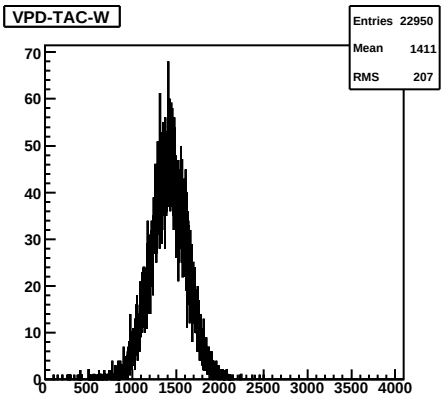

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 45875
Mean 4076
RMS 323.9

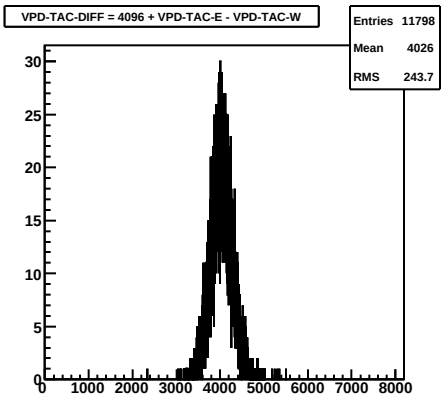

BBClarge-TAC-E
Entries 54374
Mean 1451
RMS 355.8

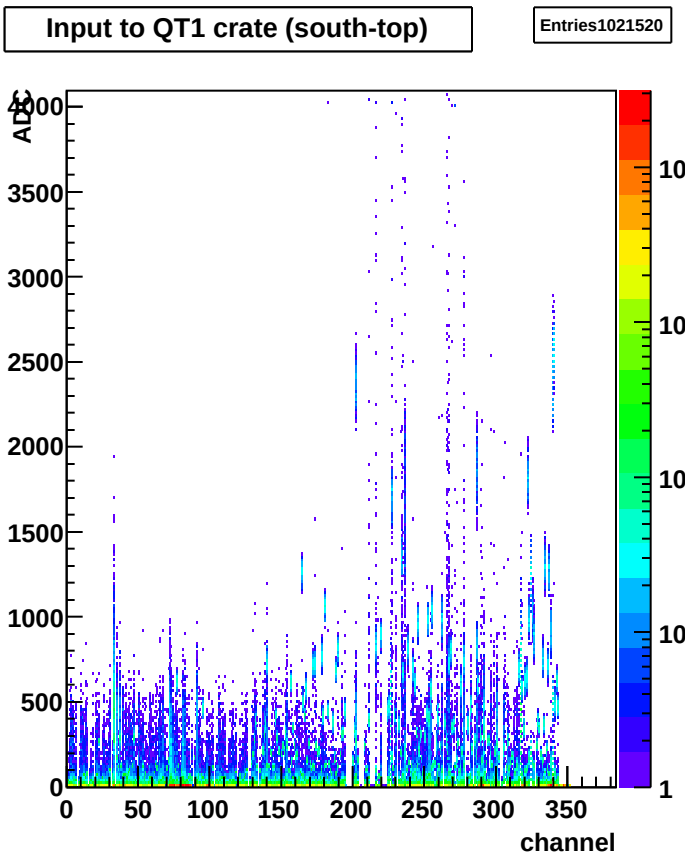

BBClarge-TAC-W
Entries 56600
Mean 1476
RMS 330.8

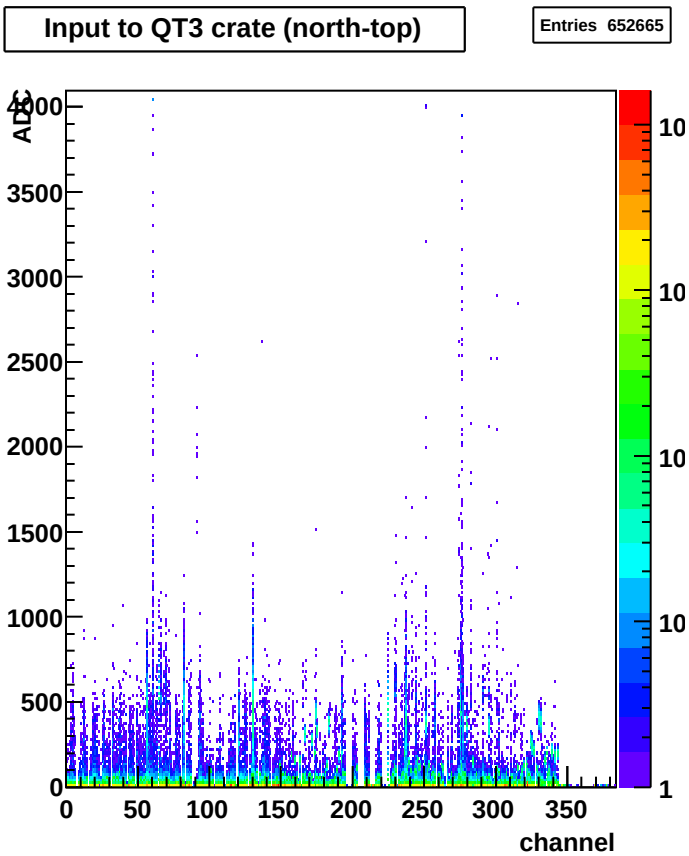

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 52133
Mean 4074
RMS 438.1

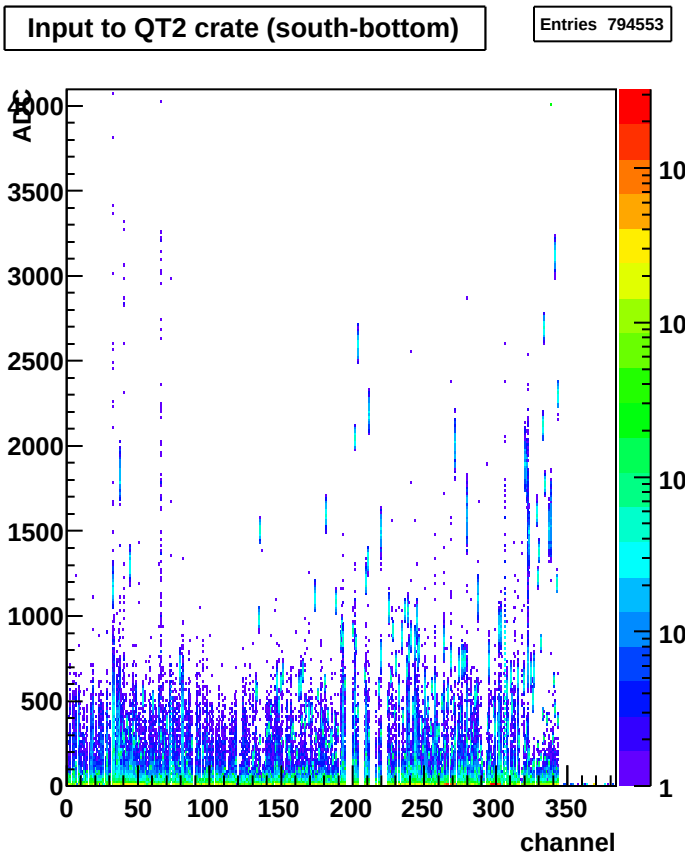

VPD-TAC-E
Entries 28242
Mean 1339
RMS 181.1

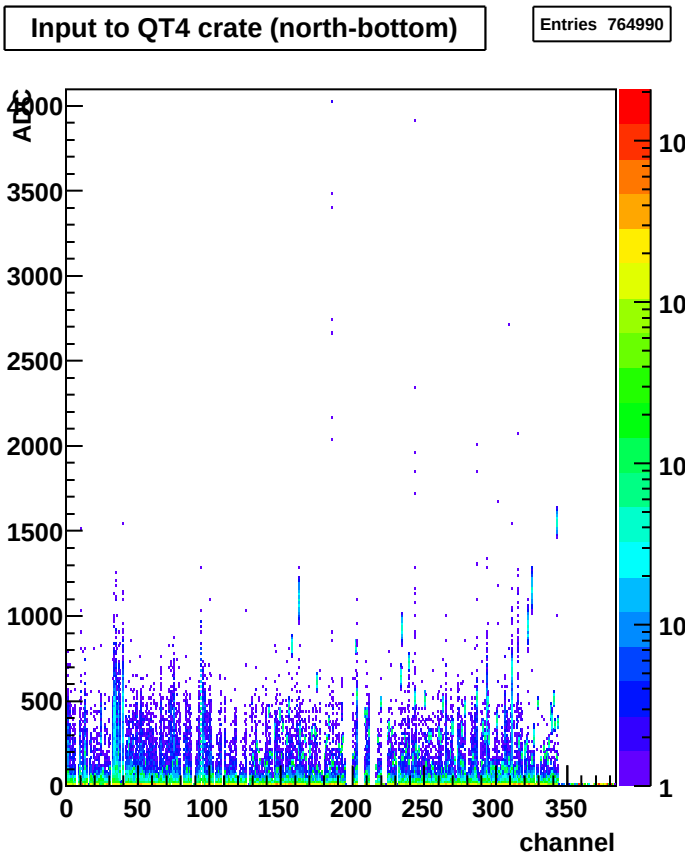

VPD-TAC-W
Entries 22950
Mean 1411
RMS 207

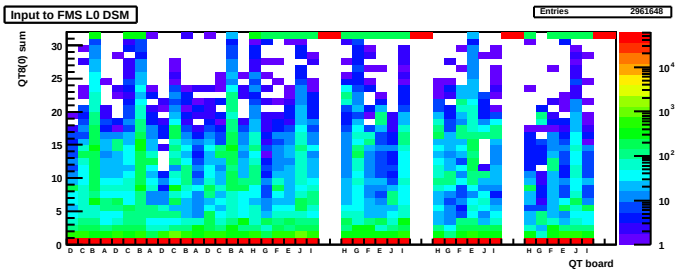

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 11798
Mean 4026
RMS 243.7

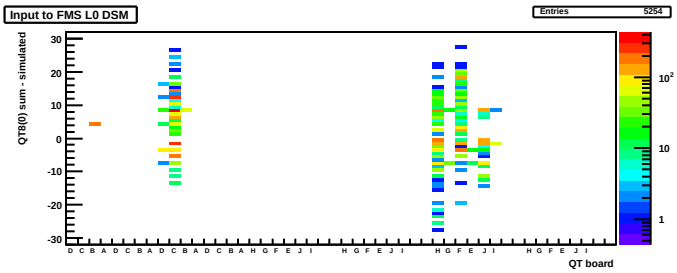

Input to QT1 crate (south-top)
Entries1021520
ADC
channel

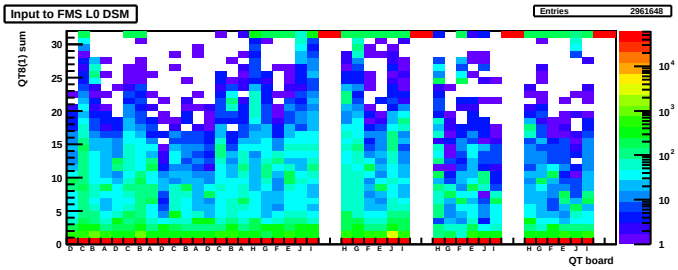

Input to QT3 crate (north-top)
Entries 652665
ADC
channel

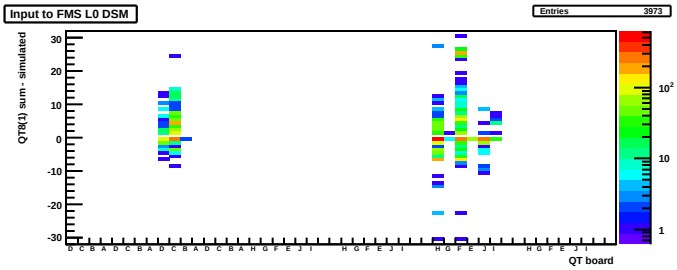

Input to QT2 crate (south-bottom)
Entries 794553
ADC
channel

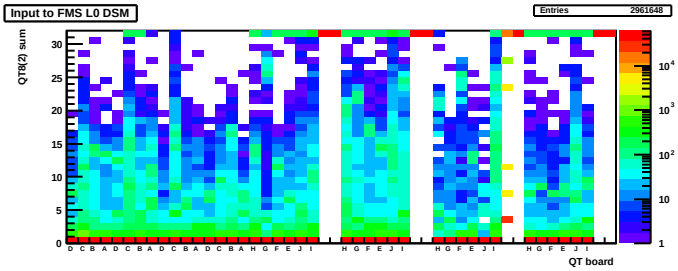

Input to QT4 crate (north-bottom)
Entries 764990
ADC
channel

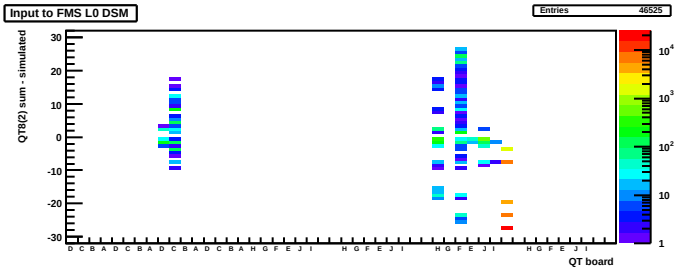

Input to FMS L0 DSM
Entries 2961648
QT8(0) sum
QT board

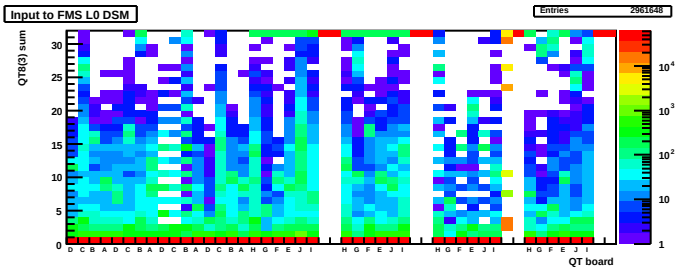

Input to FMS L0 DSM
Entries 5254
QT8(0) sum - simulated
QT board

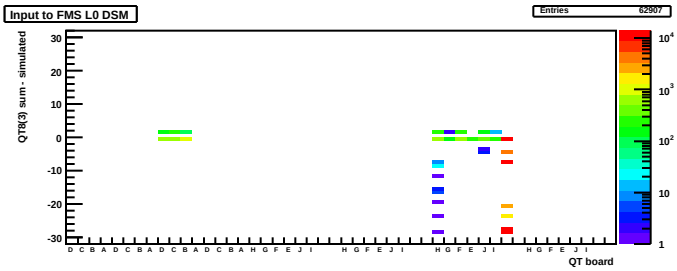

Input to FMS L0 DSM
Entries 2961648
QT8(1) sum
QT board

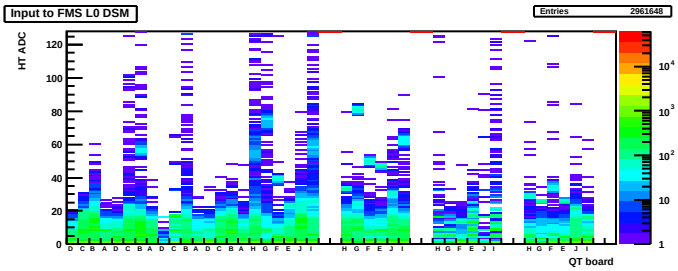

Input to FMS L0 DSM
Entries 3973
QT8(1) sum - simulated
QT board

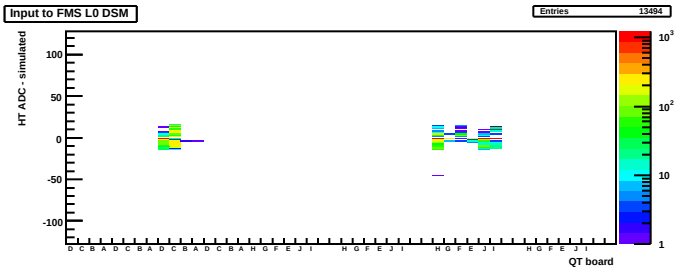

Input to FMS L0 DSM
Entries 2961648
QT8(2) sum
QT board

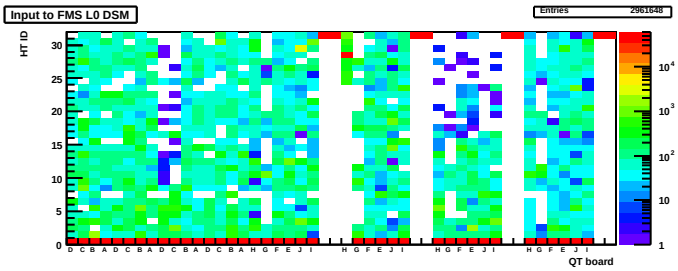

Input to FMS L0 DSM
Entries 46525
QT8(2) sum - simulated
QT board

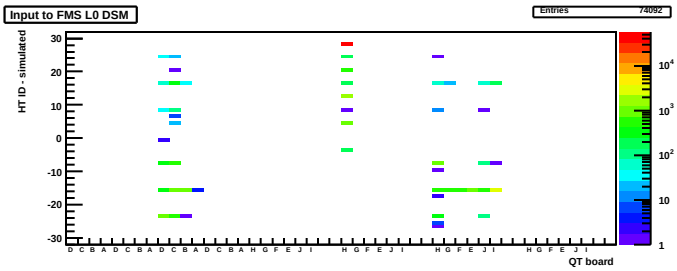

Input to FMS L0 DSM
Entries 2961648
QT8(3) sum
QT board

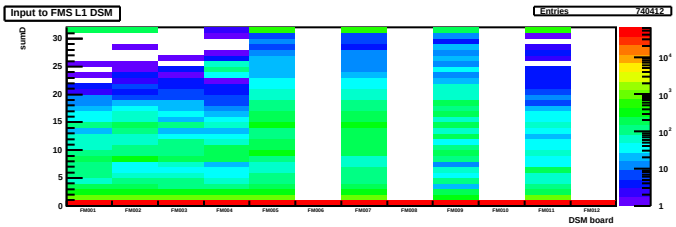

Input to FMS L0 DSM
Entries 62907
QT8(3) sum - simulated
QT board

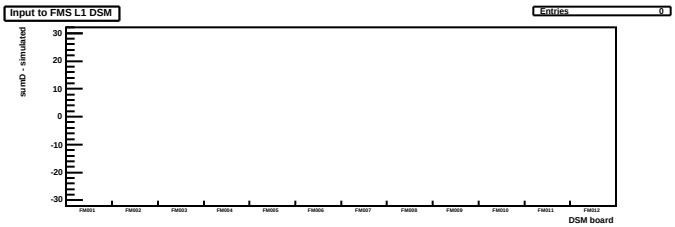

Input to FMS L0 DSM
Entries 2961648
HT ADC
QT board

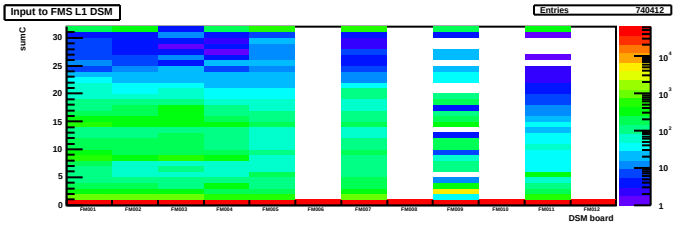

Input to FMS L0 DSM
Entries 13494
HT ADC - simulated
QT board

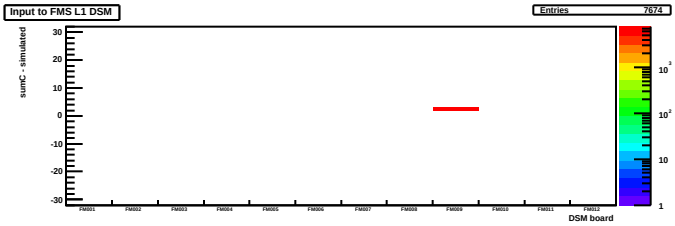

Input to FMS L0 DSM
Entries 2961648
HT ID
QT board

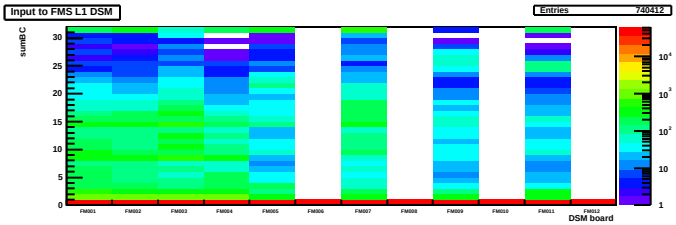

Input to FMS L0 DSM
Entries 74092
HT ID - simulated
QT board

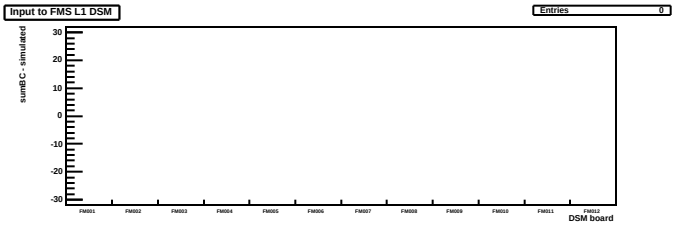

Input to FMS L1 DSM
Entries 740412
sumD
DSM board

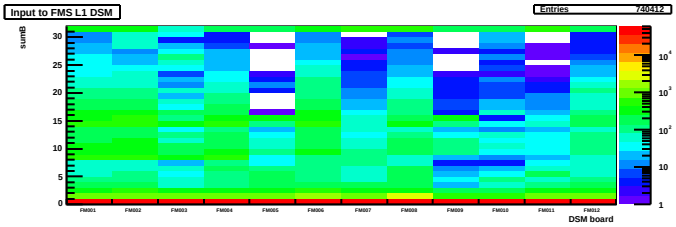

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

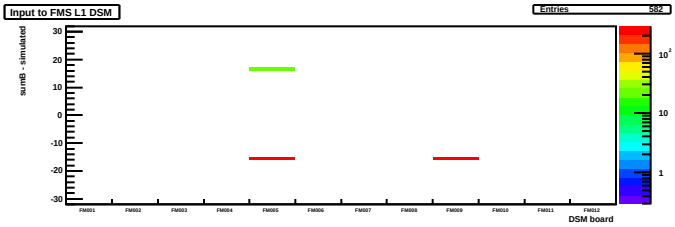

Input to FMS L1 DSM
Entries 740412
sumC
DSM board

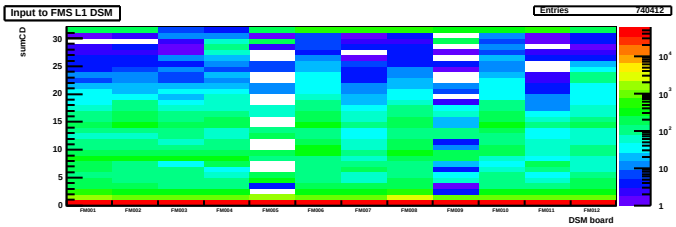

Input to FMS L1 DSM
Entries 7674
sumC - simulated
DSM board

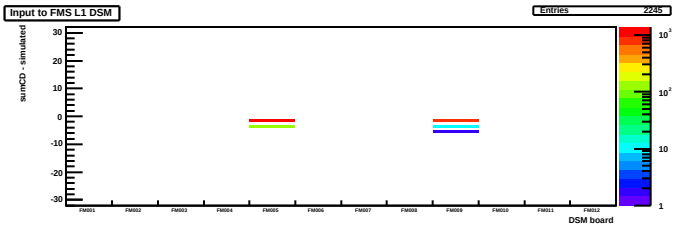

Input to FMS L1 DSM
Entries 740412
sumBC
DSM board

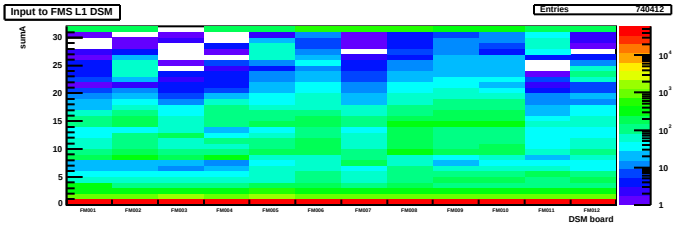

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

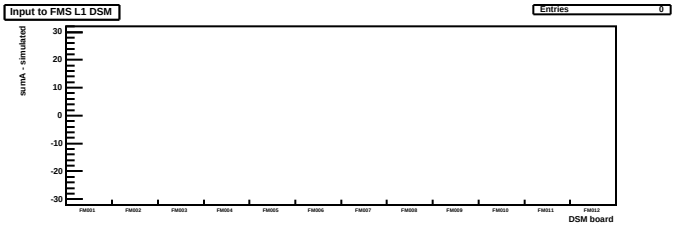

Input to FMS L1 DSM
Entries 740412
sumB
DSM board

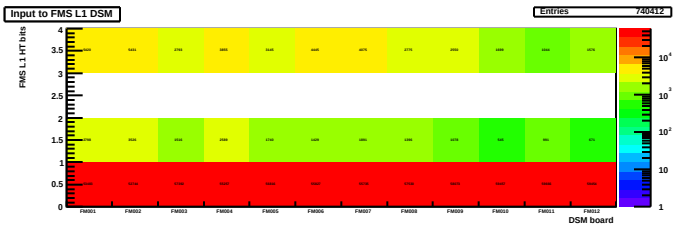

Input to FMS L1 DSM
Entries 582
sumB - simulated
DSM board

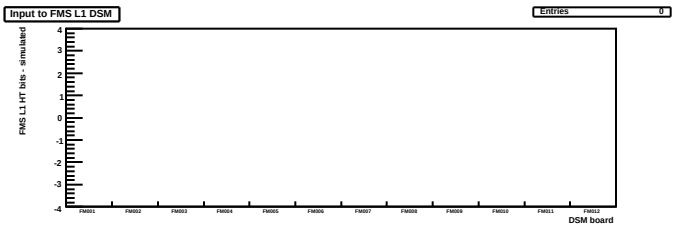

Input to FMS L1 DSM
Entries 740412
sumCD
DSM board

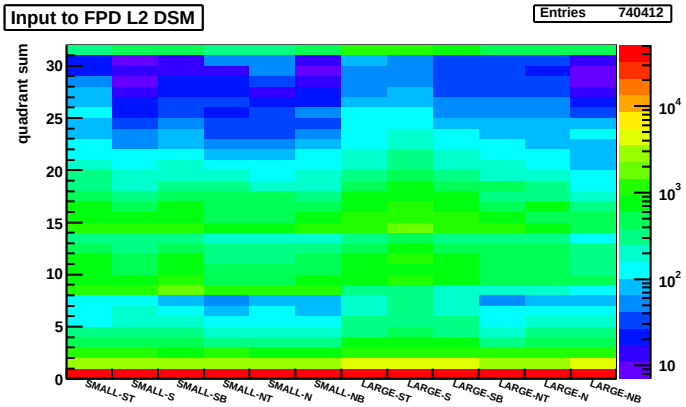

Input to FMS L1 DSM
Entries 2245
sumCD - simulated
DSM board

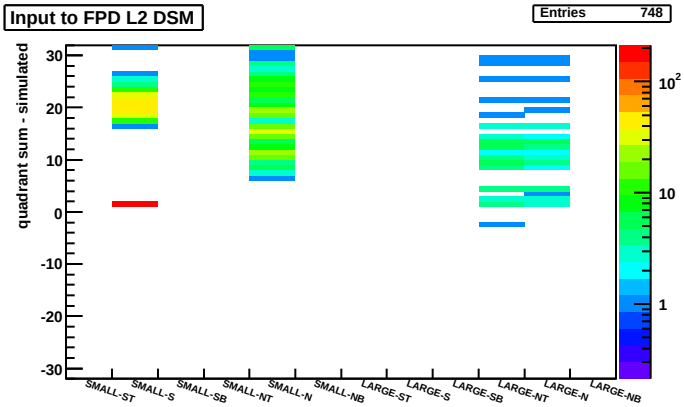

Input to FMS L1 DSM
Entries 740412
sumA
DSM board

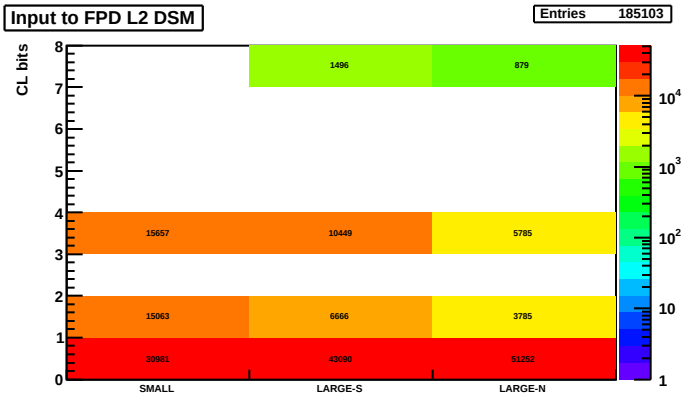

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

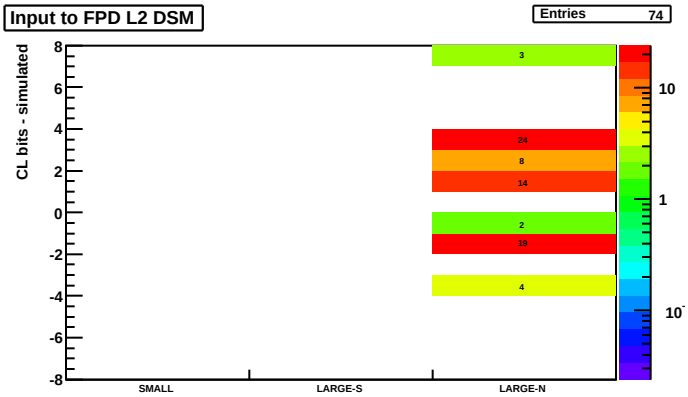

Input to FMS L1 DSM
Entries 740412
FMS L1 HT bits
DSM board

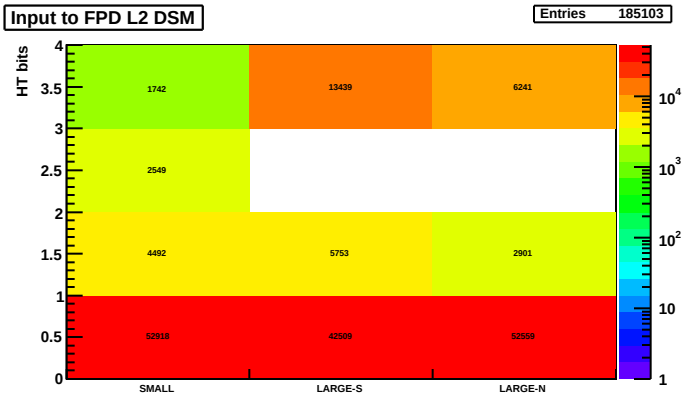

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

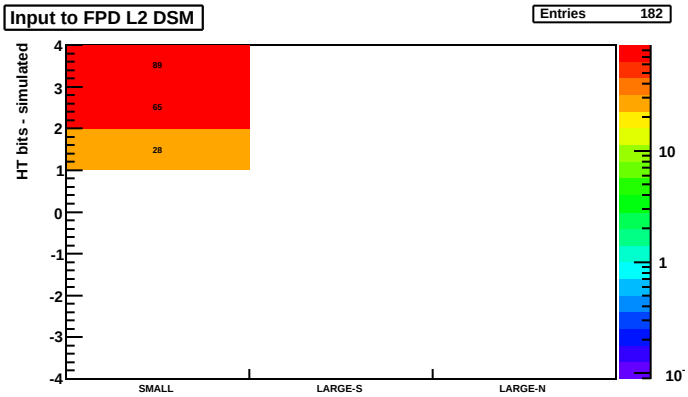

Input to FPD L2 DSM
Entries 740412
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

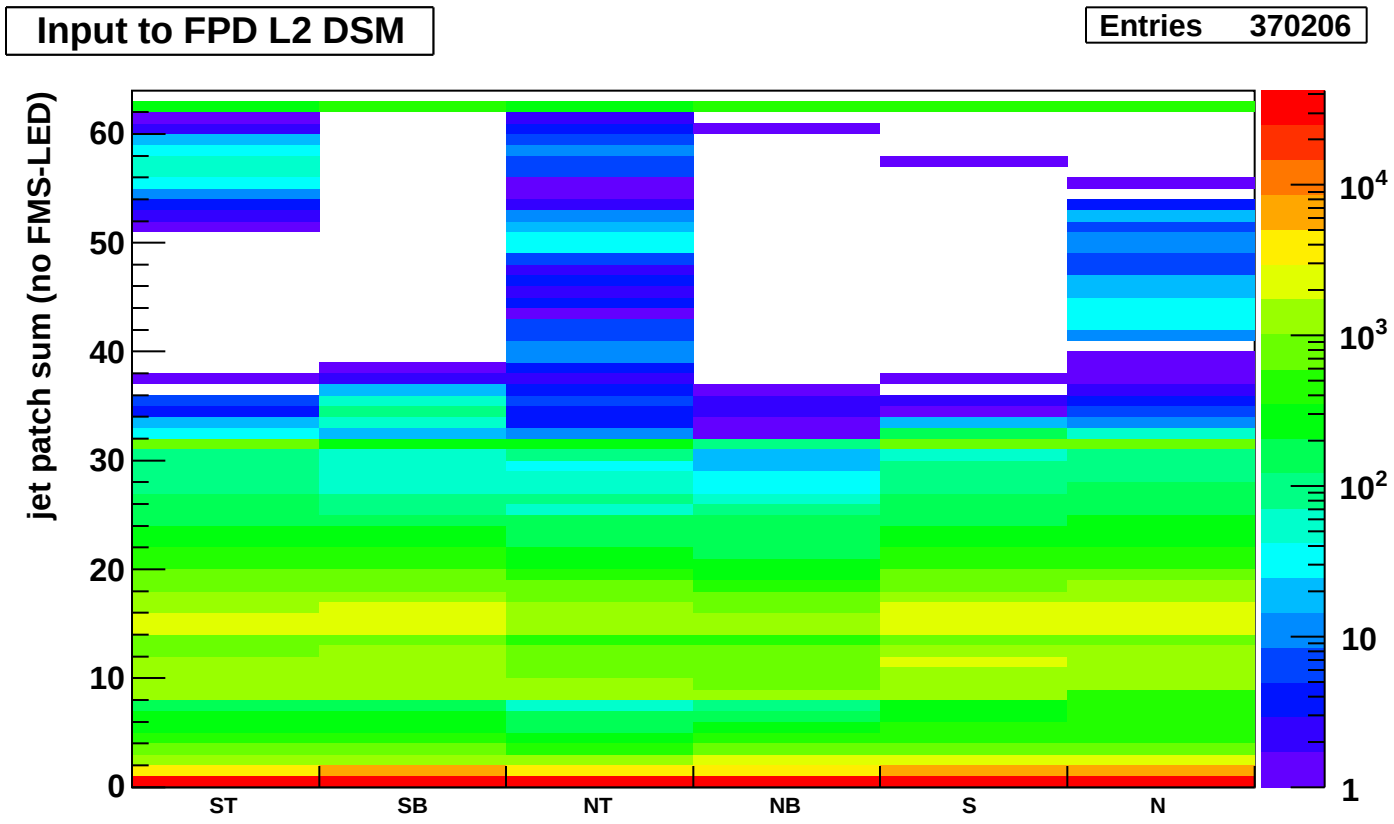

Input to FPD L2 DSM
Entries 748
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

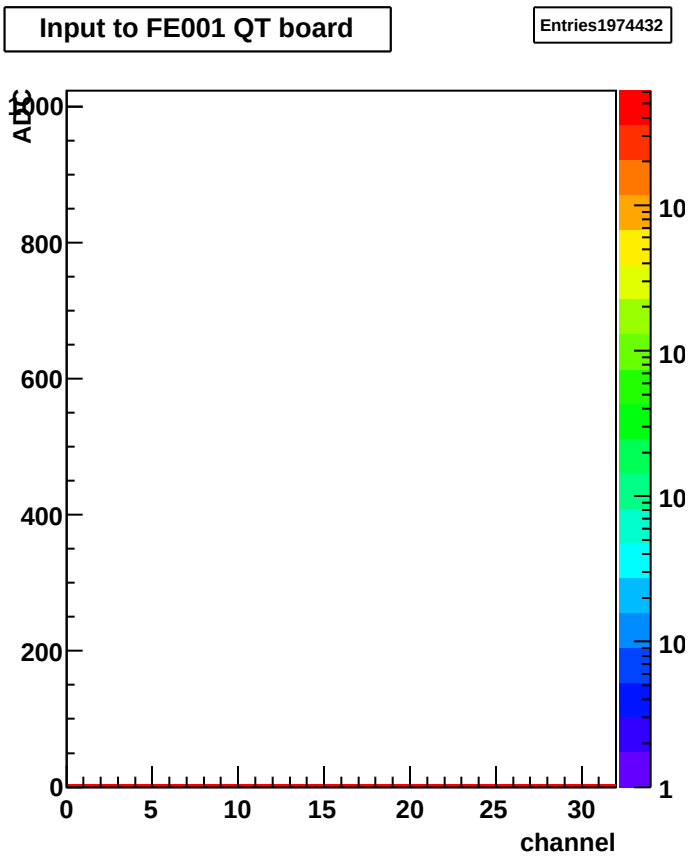

Input to FPD L2 DSM
Entries 185103
CL bits
1496
879
15657
10449
5785
15063
6666
3785
30981
43090
51252
SMALL
LARGE-S
LARGE-N

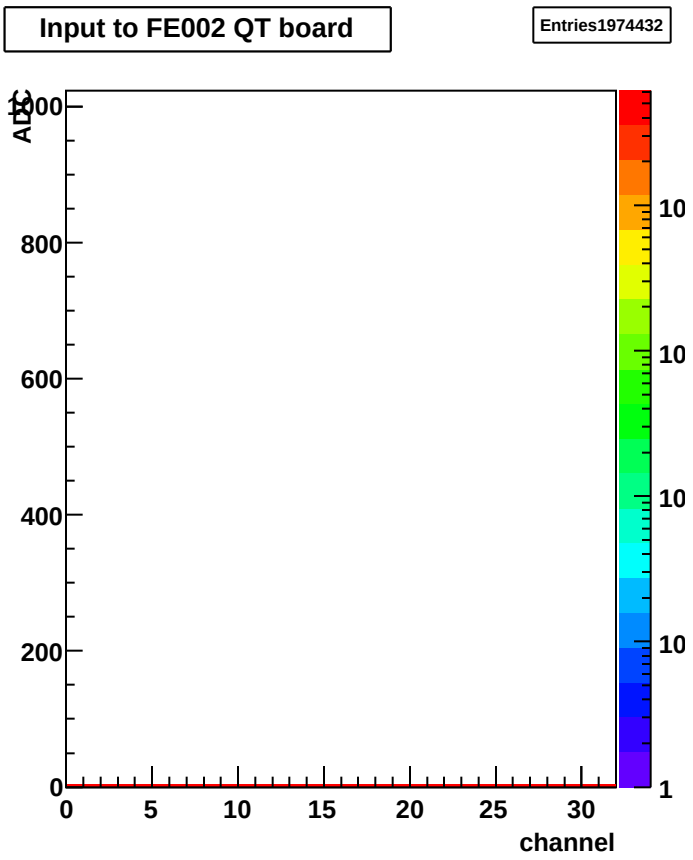

Input to FPD L2 DSM
Entries 74
CL bits - simulated
3
24
8
14
2
19
4
SMALL
LARGE-S
LARGE-N

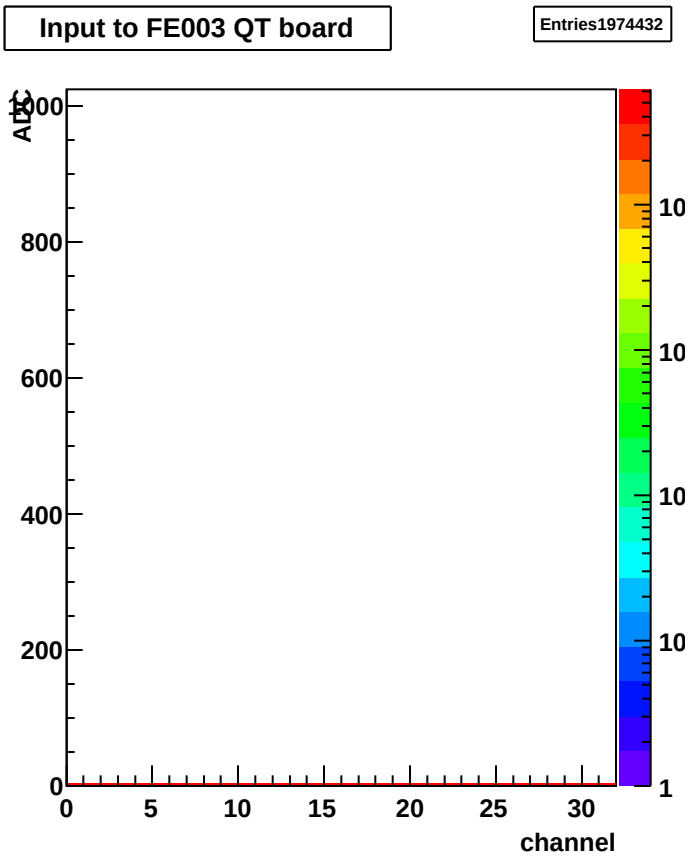

Input to FPD L2 DSM
Entries 185103
HT bits
1742
13439
6241
2549
4492
5753
2901
52918
42509
52559
SMALL
LARGE-S
LARGE-N

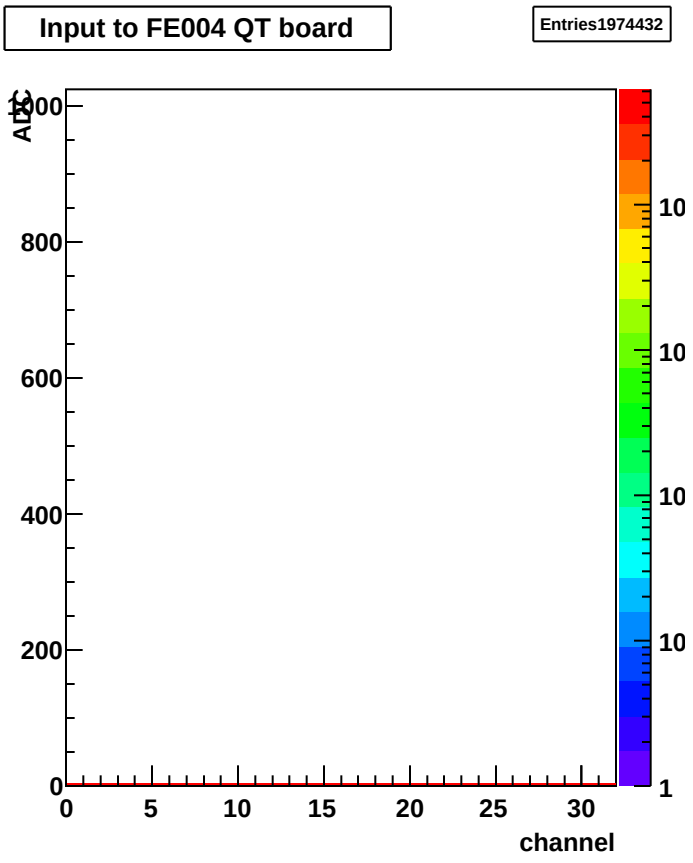

Input to FPD L2 DSM
Entries 182
HT bits - simulated
89
65
28
SMALL
LARGE-S
LARGE-N

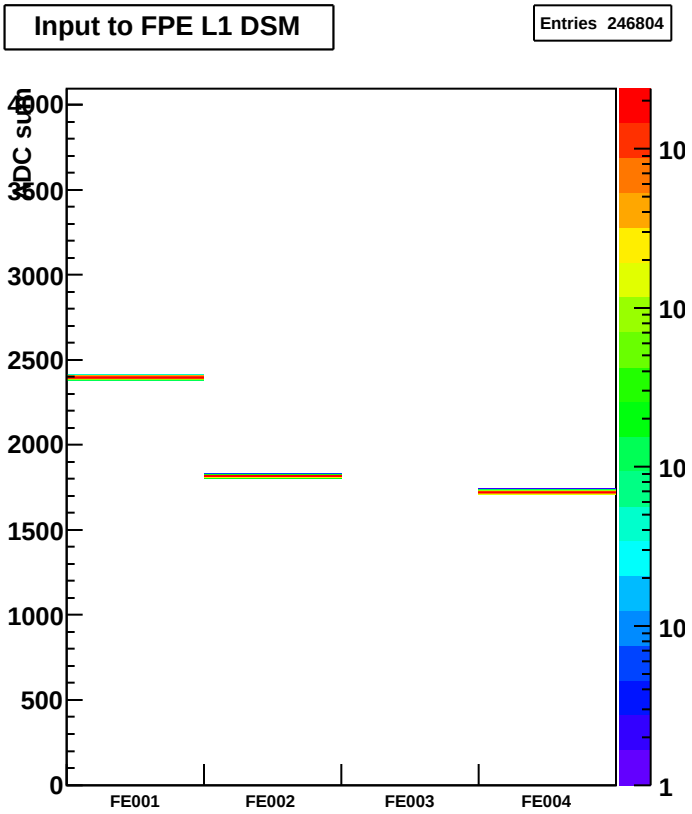

Input to FPD L2 DSM
Entries 370206
jet patch sum (no FMS-LED)
0
10
20
30
40
50
60
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4

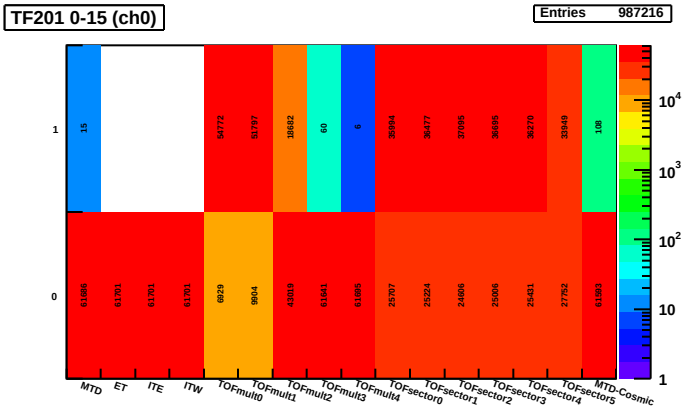

Input to FE001 QT board
Entries1974432
ADC
channel

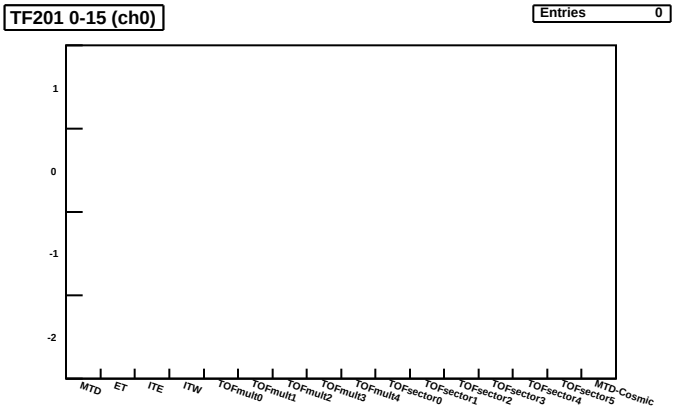

Input to FE002 QT board
Entries1974432
ADC
channel

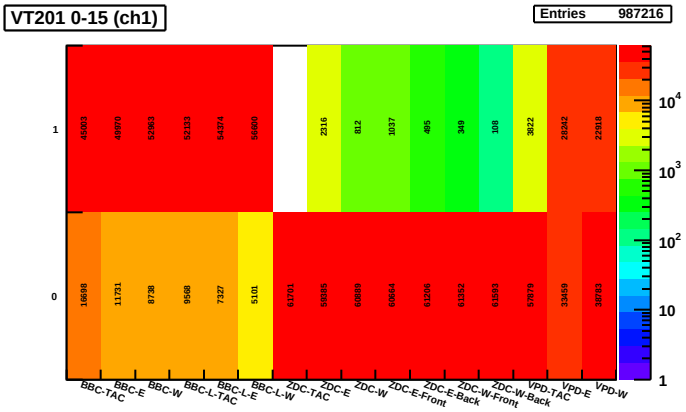

Input to FE003 QT board
Entries1974432
ADC
channel

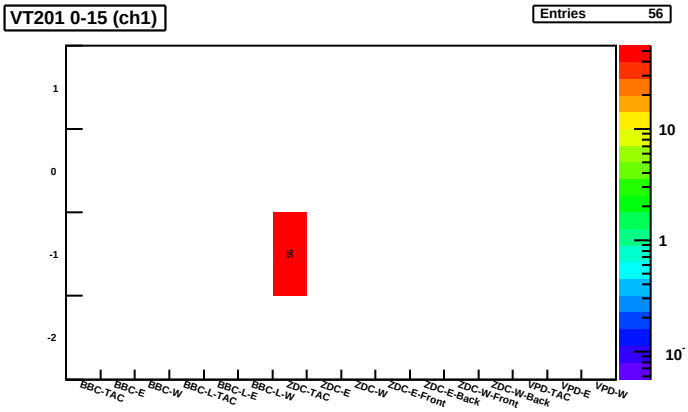

Input to FE004 QT board
Entries1974432
ADC
channel

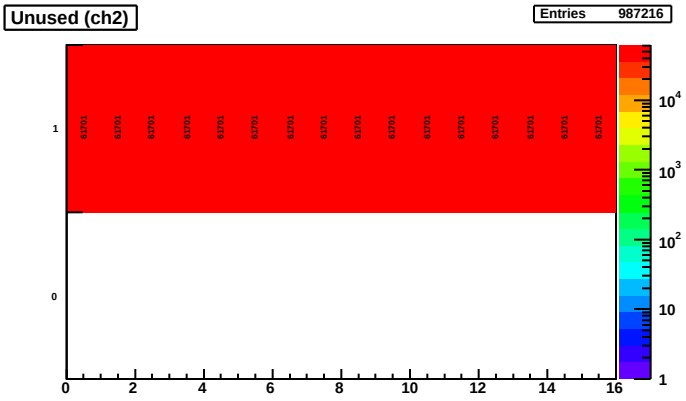

Input to FPE L1 DSM
Entries 246804
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
1

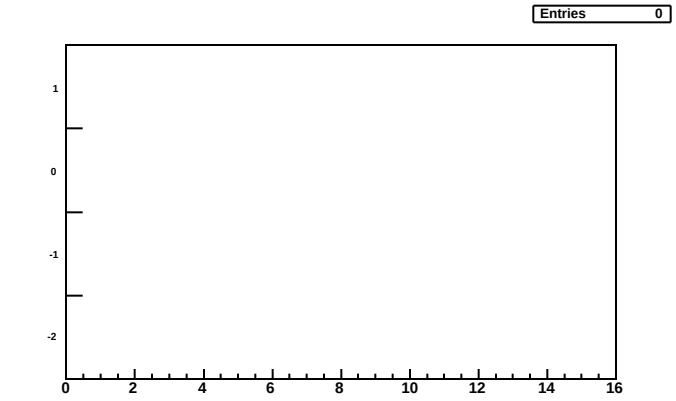

TF201 0-15 (ch0)
Entries 987216
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


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 987216
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 56
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 987216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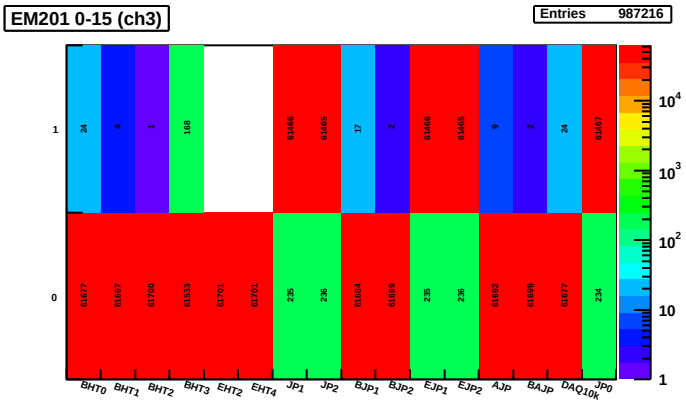
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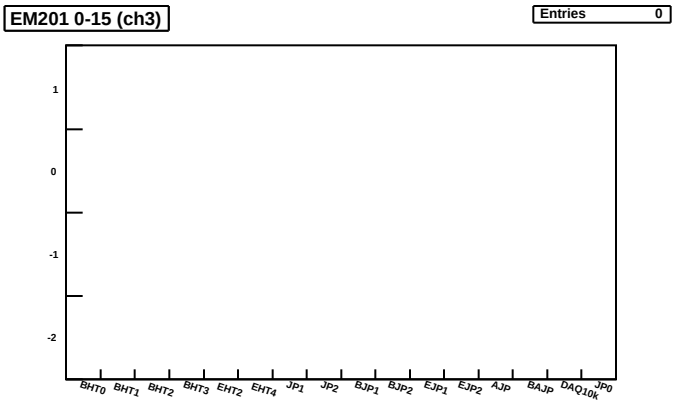
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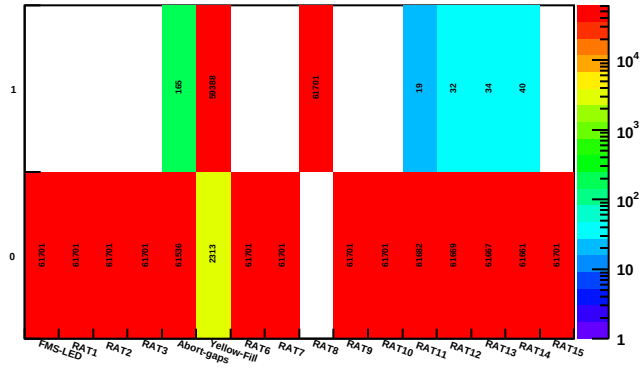
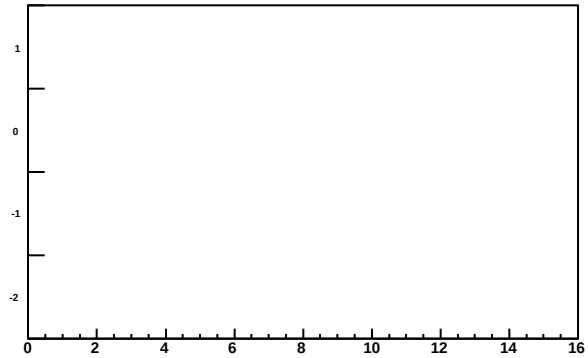
RAT board (ch4)





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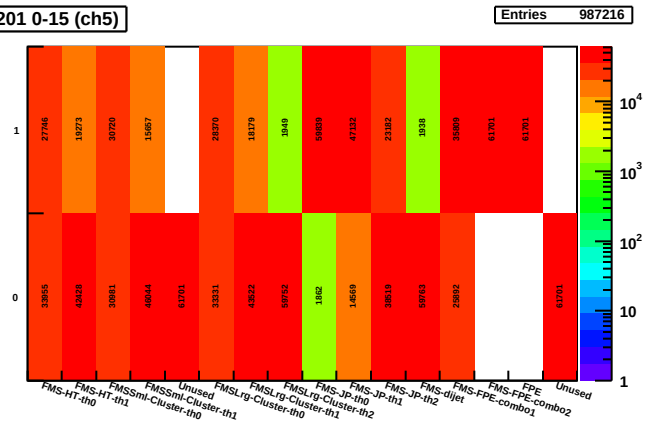

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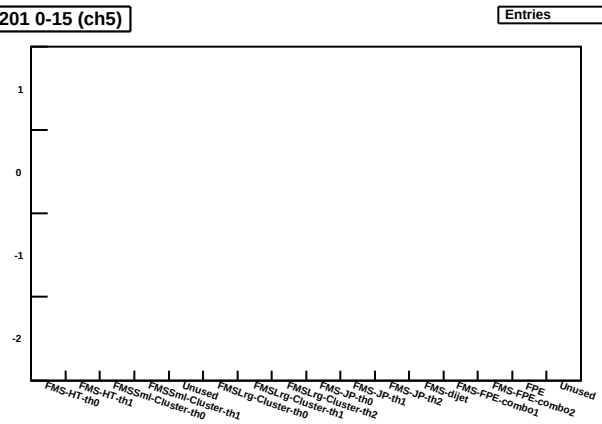

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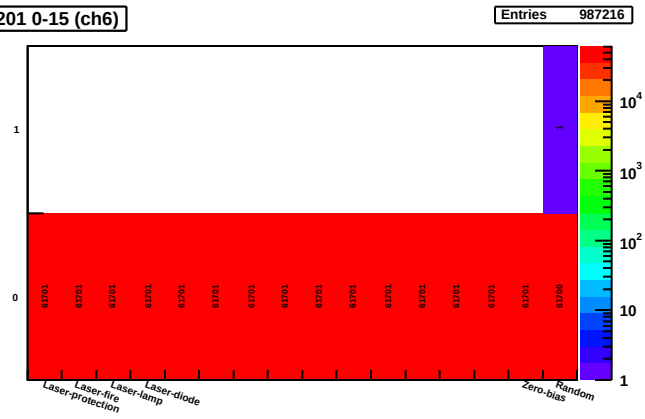

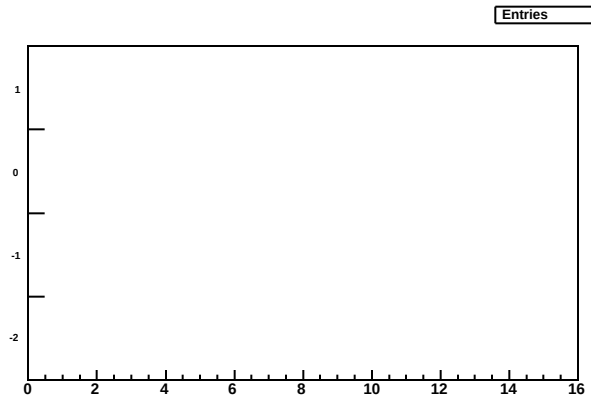
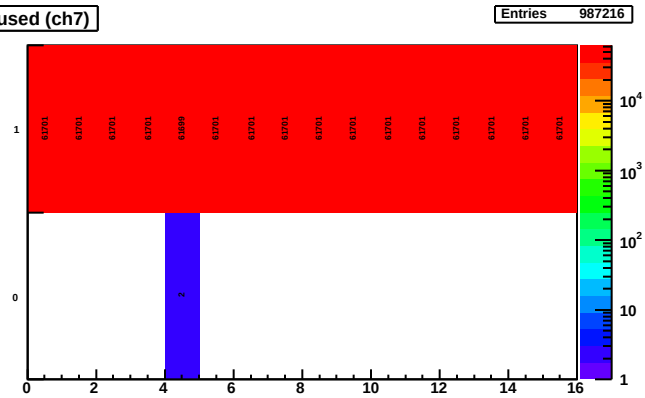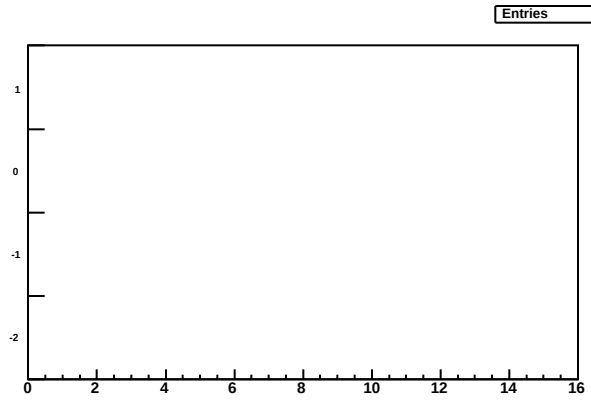
Unused (ch7)