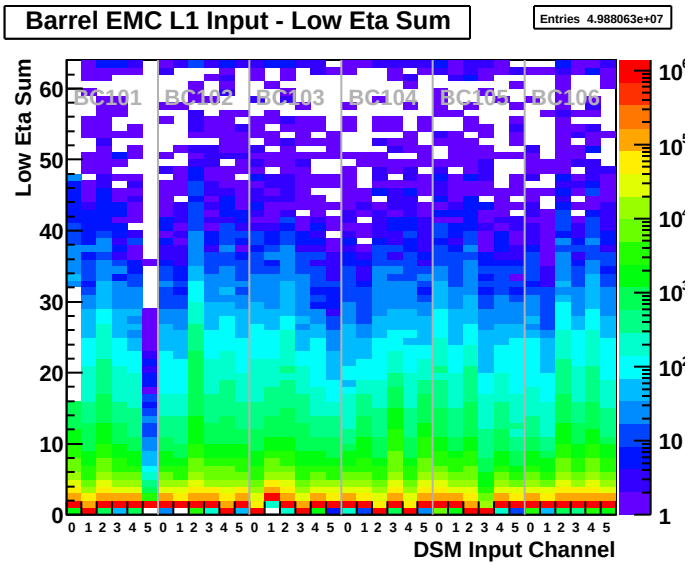
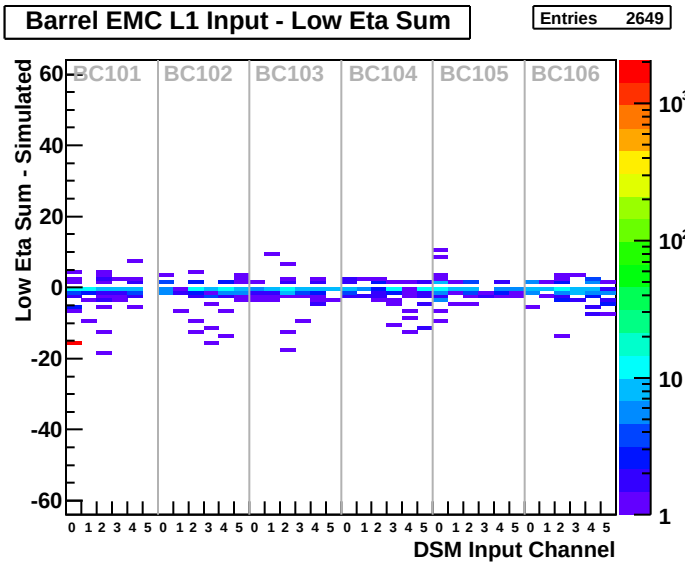
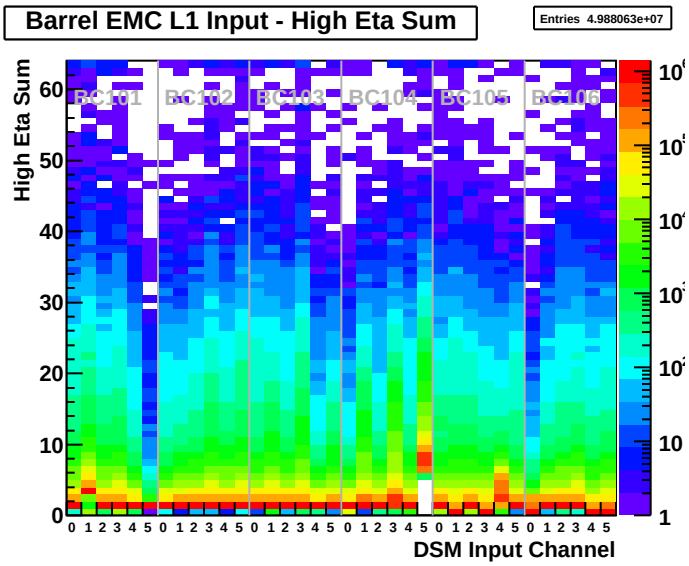
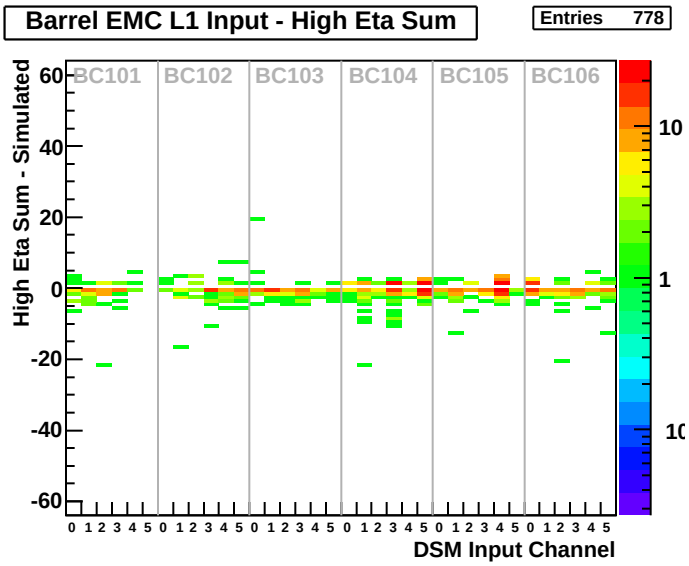
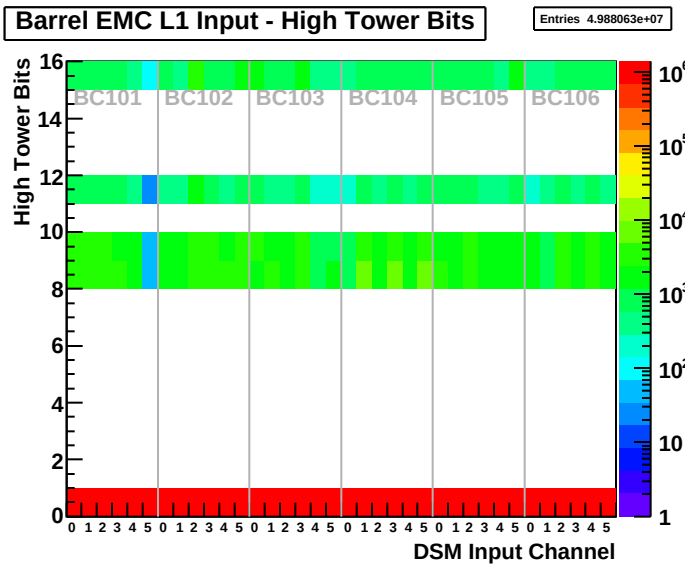
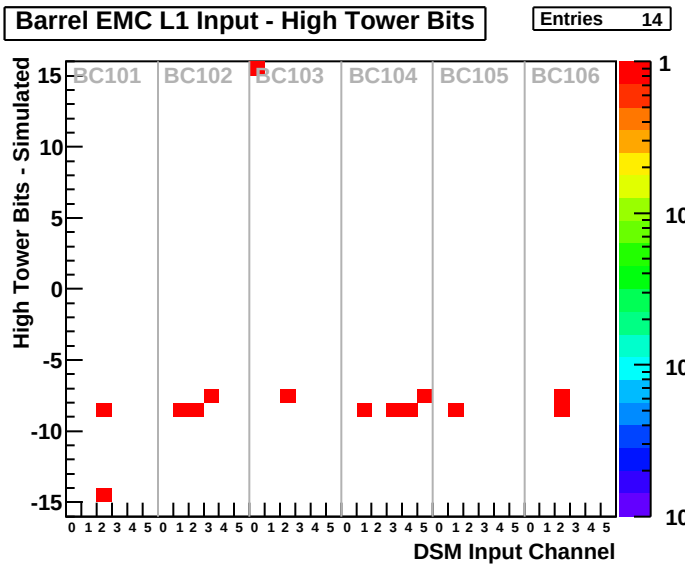

Barrel EMC L1 Input - Low Eta Sum
Entries 4.988063e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

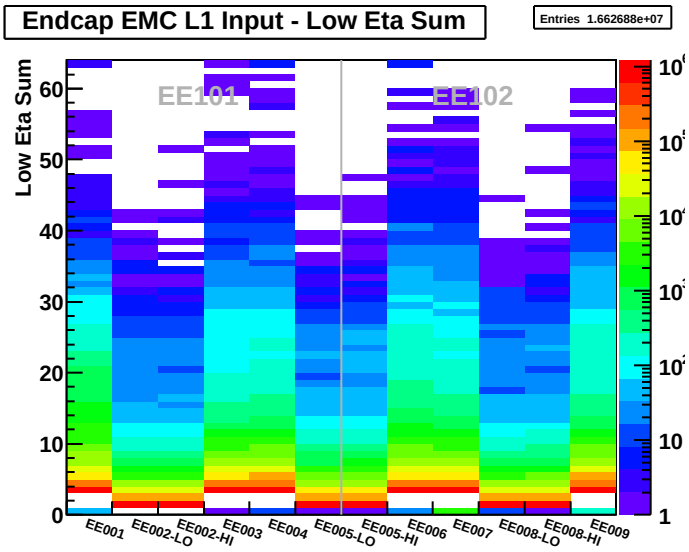

Barrel EMC L1 Input - Low Eta Sum
Entries 2649
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

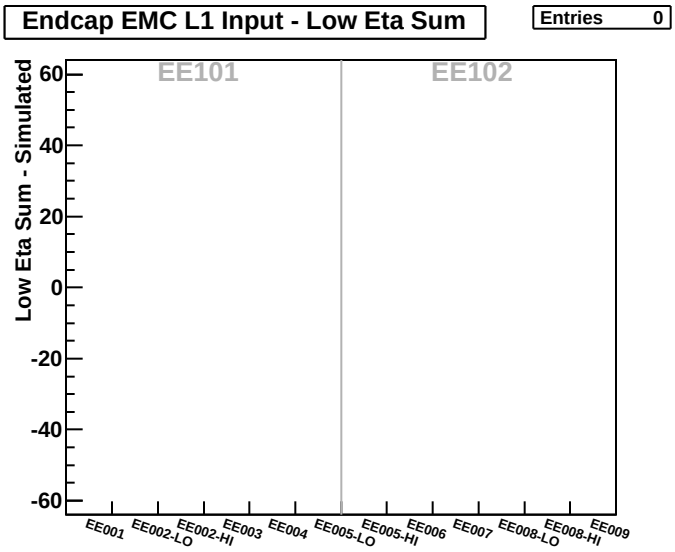

Barrel EMC L1 Input - High Eta Sum
Entries 4.988063e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

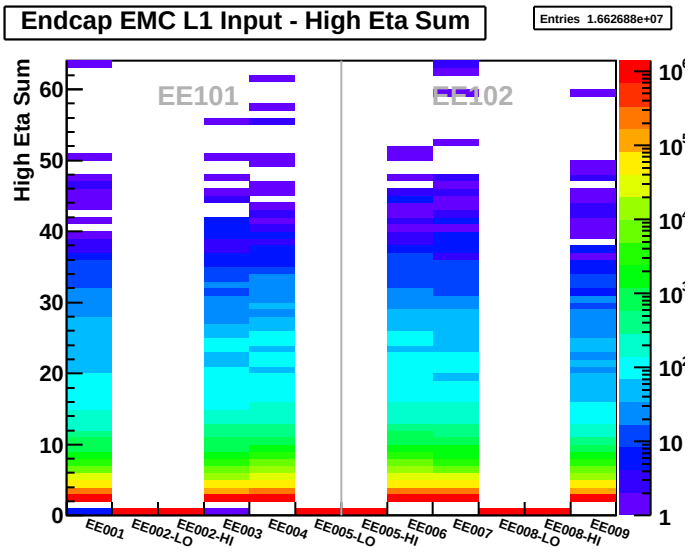

Barrel EMC L1 Input - High Eta Sum
Entries 778
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

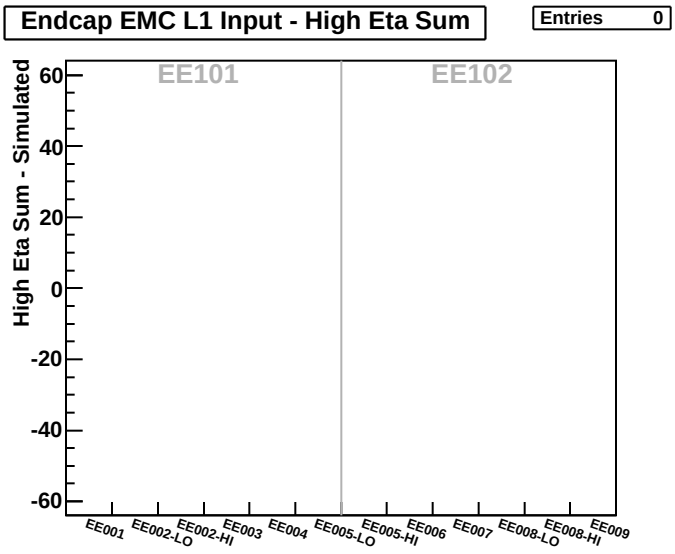

Barrel EMC L1 Input - High Tower Bits
Entries 4.988063e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

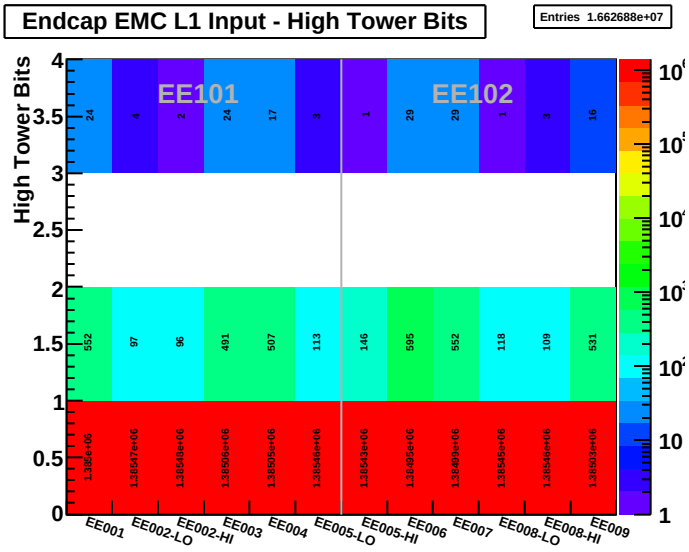

Barrel EMC L1 Input - High Tower Bits
Entries 14
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

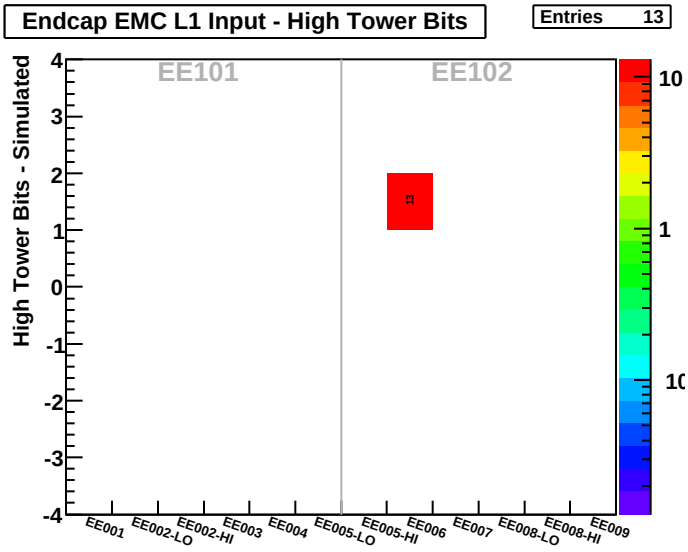

Endcap EMC L1 Input - Low Eta Sum
Entries 1.662688e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

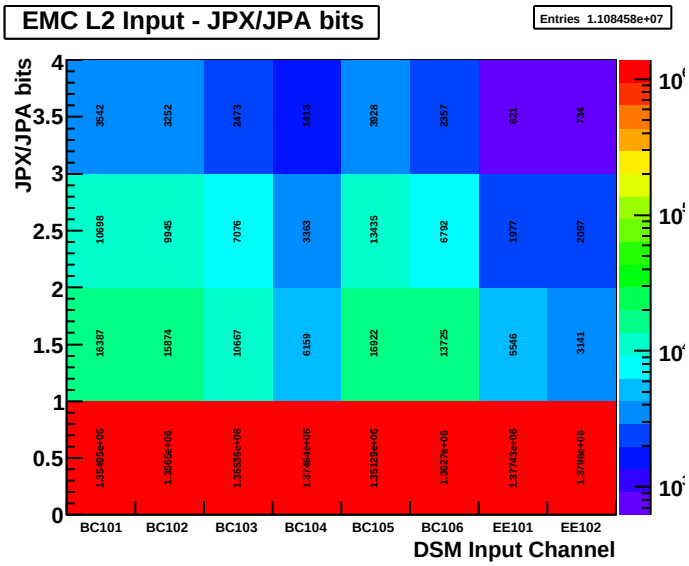

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

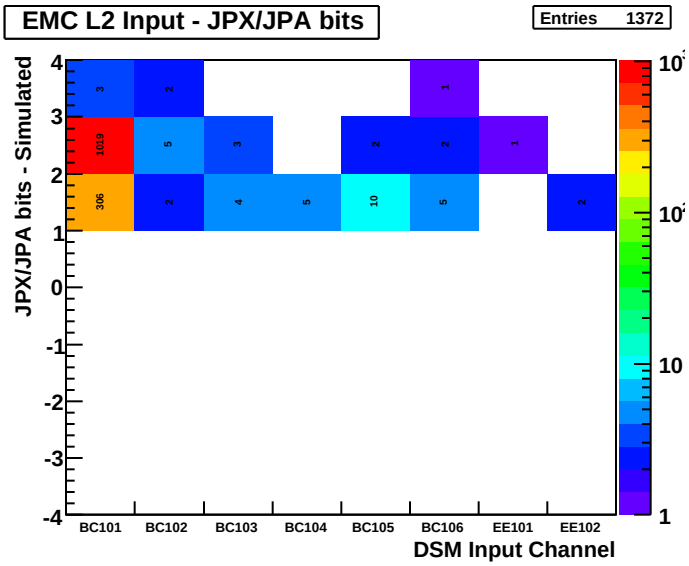

Endcap EMC L1 Input - High Eta Sum
Entries 1.662688e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

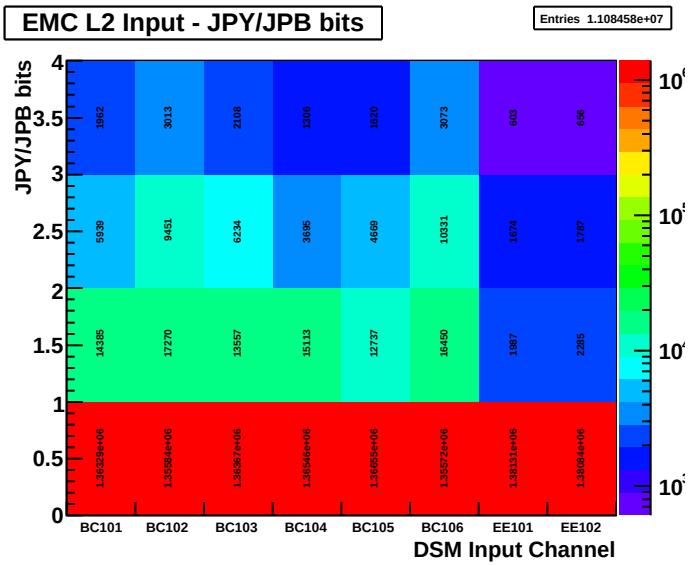

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

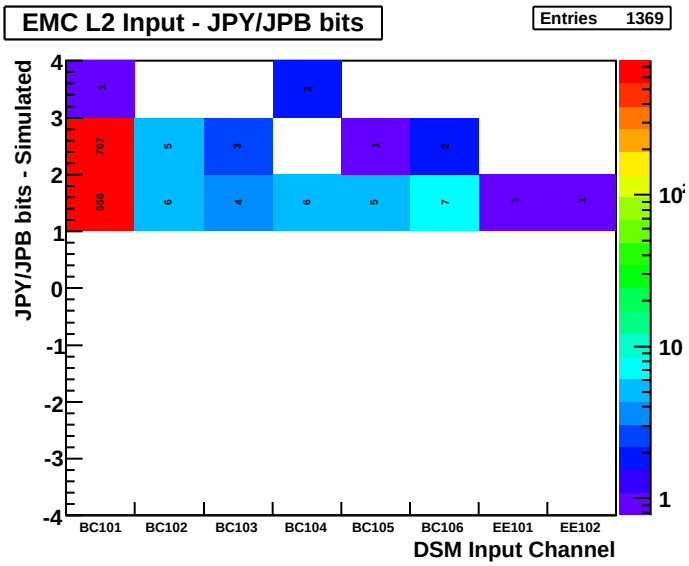

Endcap EMC L1 Input - High Tower Bits
Entries 1.662688e+07
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

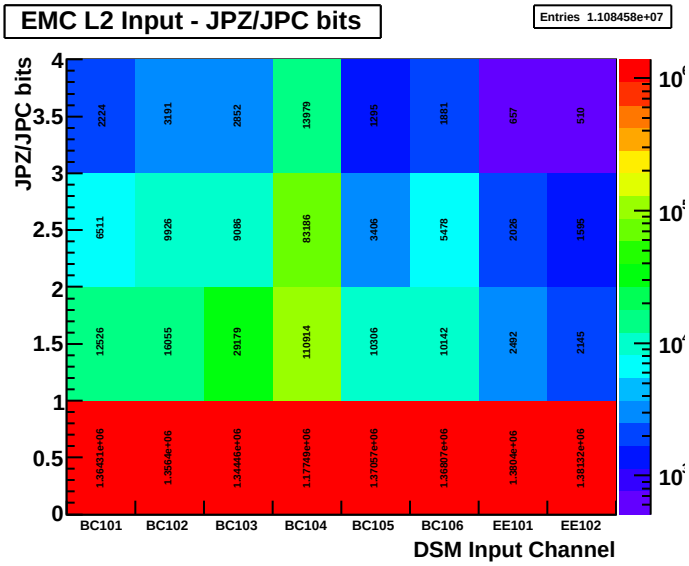

Endcap EMC L1 Input - High Tower Bits
Entries 13
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

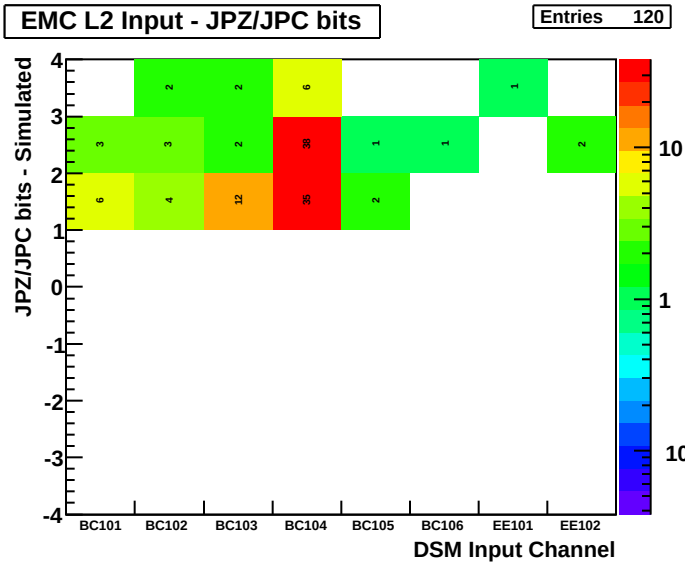

EMC L2 Input - JPX/JPA bits
Entries 1.108458e+07
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

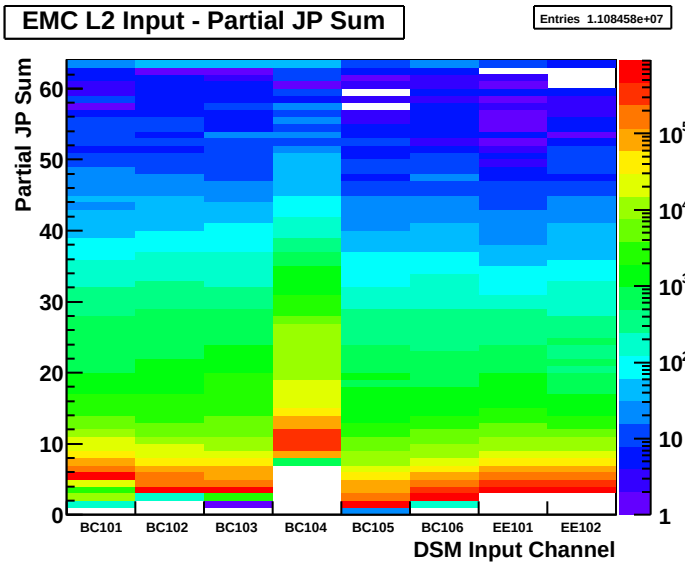

EMC L2 Input - JPX/JPA bits
Entries 1372
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

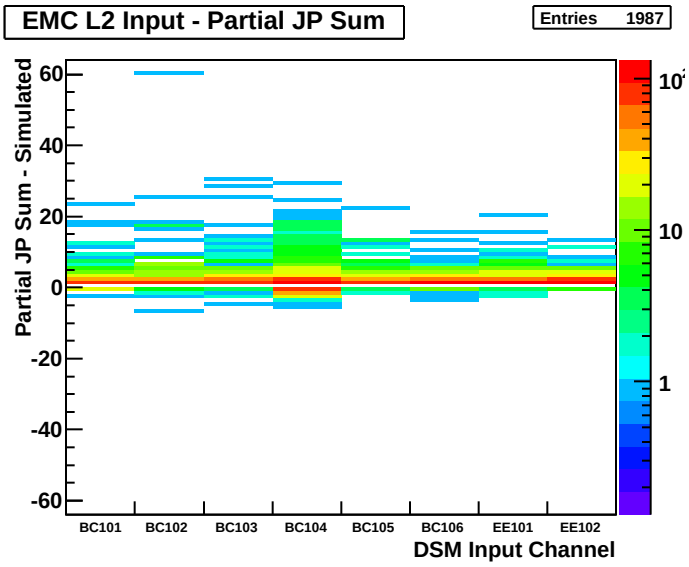

EMC L2 Input - JPY/JPB bits
Entries 1.108458e+07
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

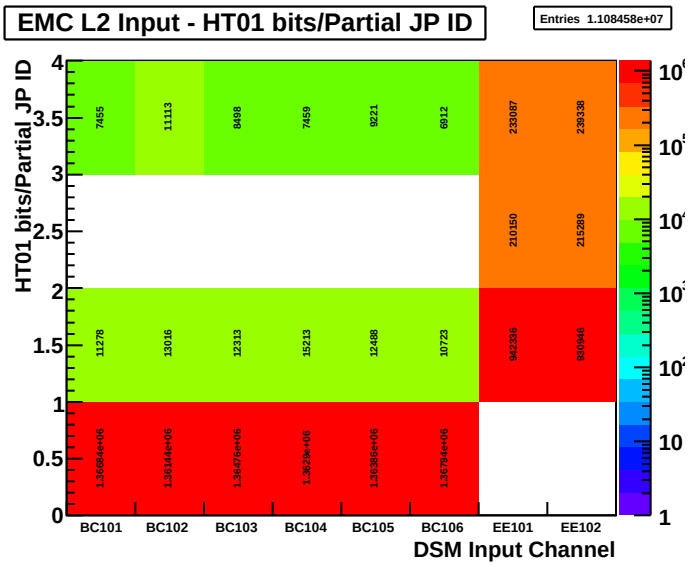

EMC L2 Input - JPY/JPB bits
Entries 1369
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

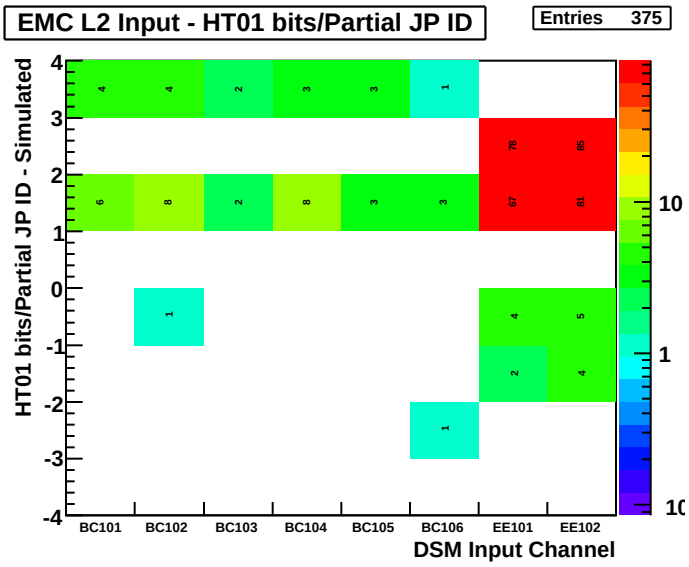

EMC L2 Input - JPZ/JPC bits
Entries 1.108458e+07
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

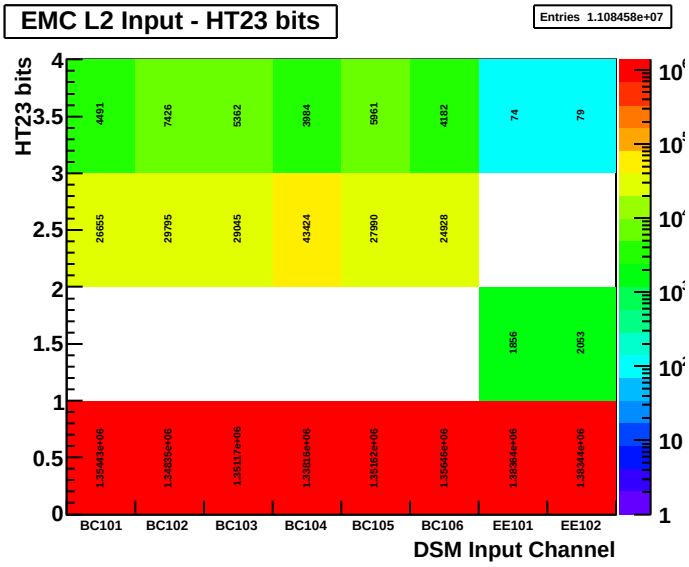

EMC L2 Input - JPZ/JPC bits
Entries 120
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

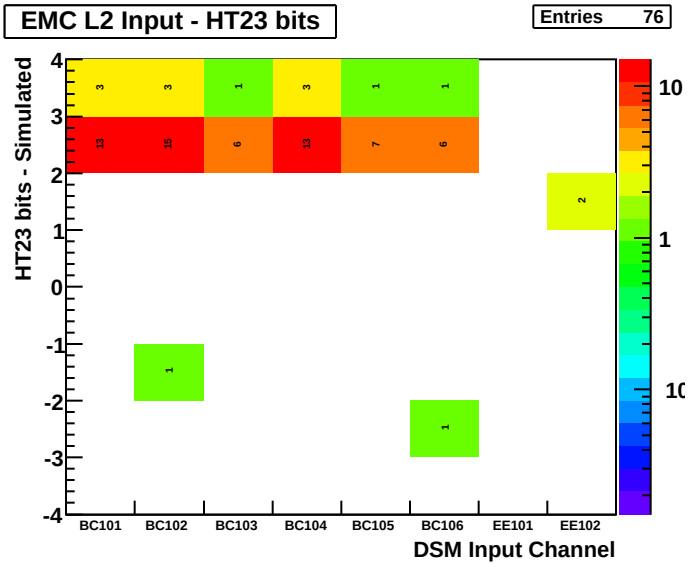

EMC L2 Input - Partial JP Sum
Entries 1.108458e+07
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

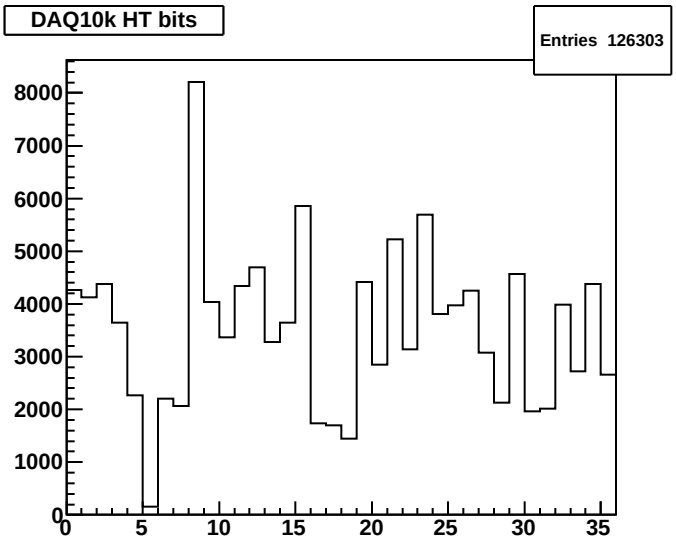

EMC L2 Input - Partial JP Sum
Entries 1987
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

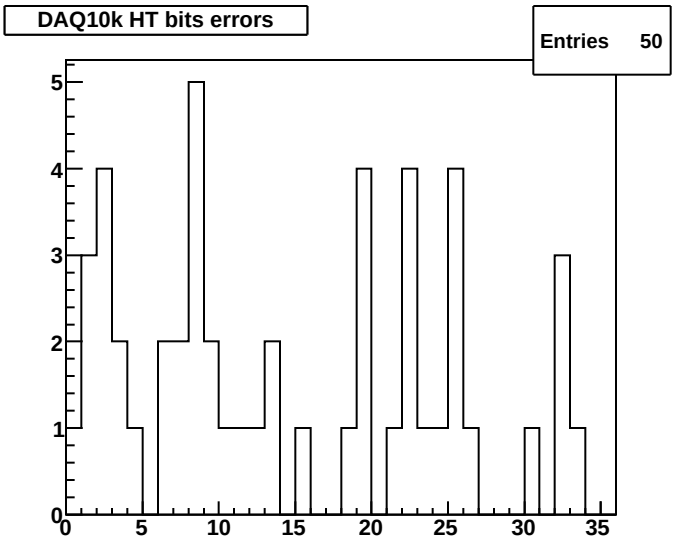

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1.108458e+07
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

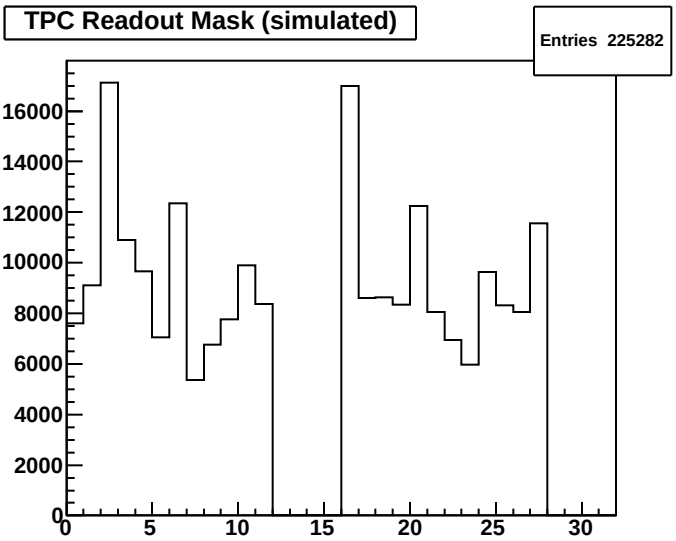

EMC L2 Input - HT01 bits/Partial JP ID
Entries 375
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

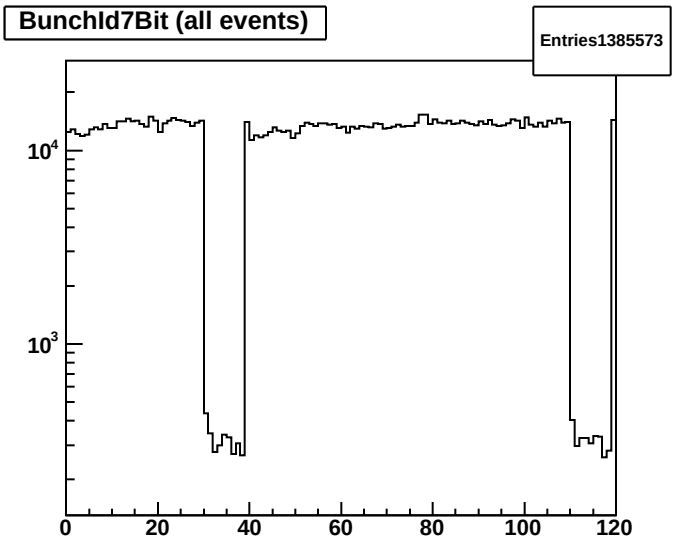

EMC L2 Input - HT23 bits
Entries 1.108458e+07
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

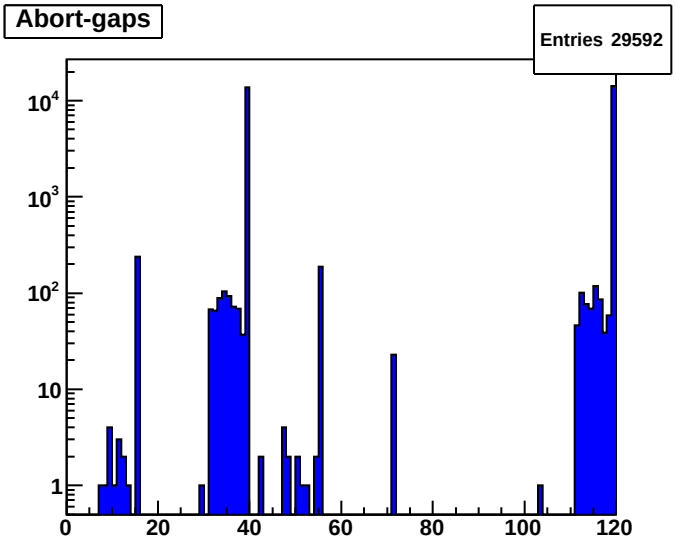

EMC L2 Input - HT23 bits
Entries 76
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

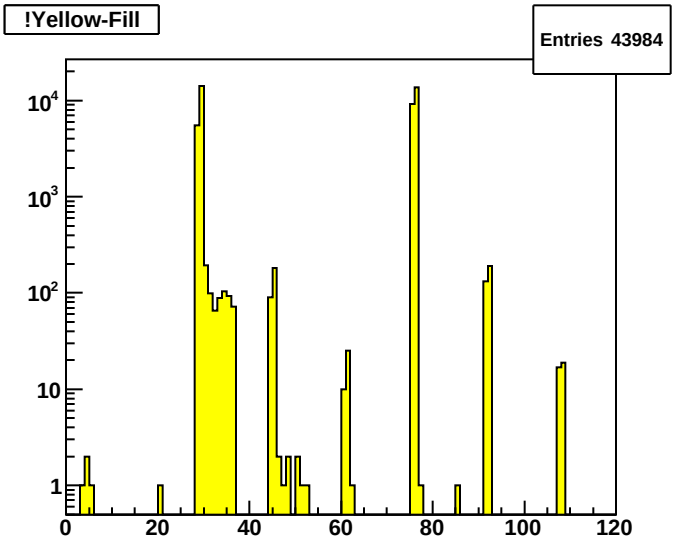

DAQ10k HT bits
Entries 126303

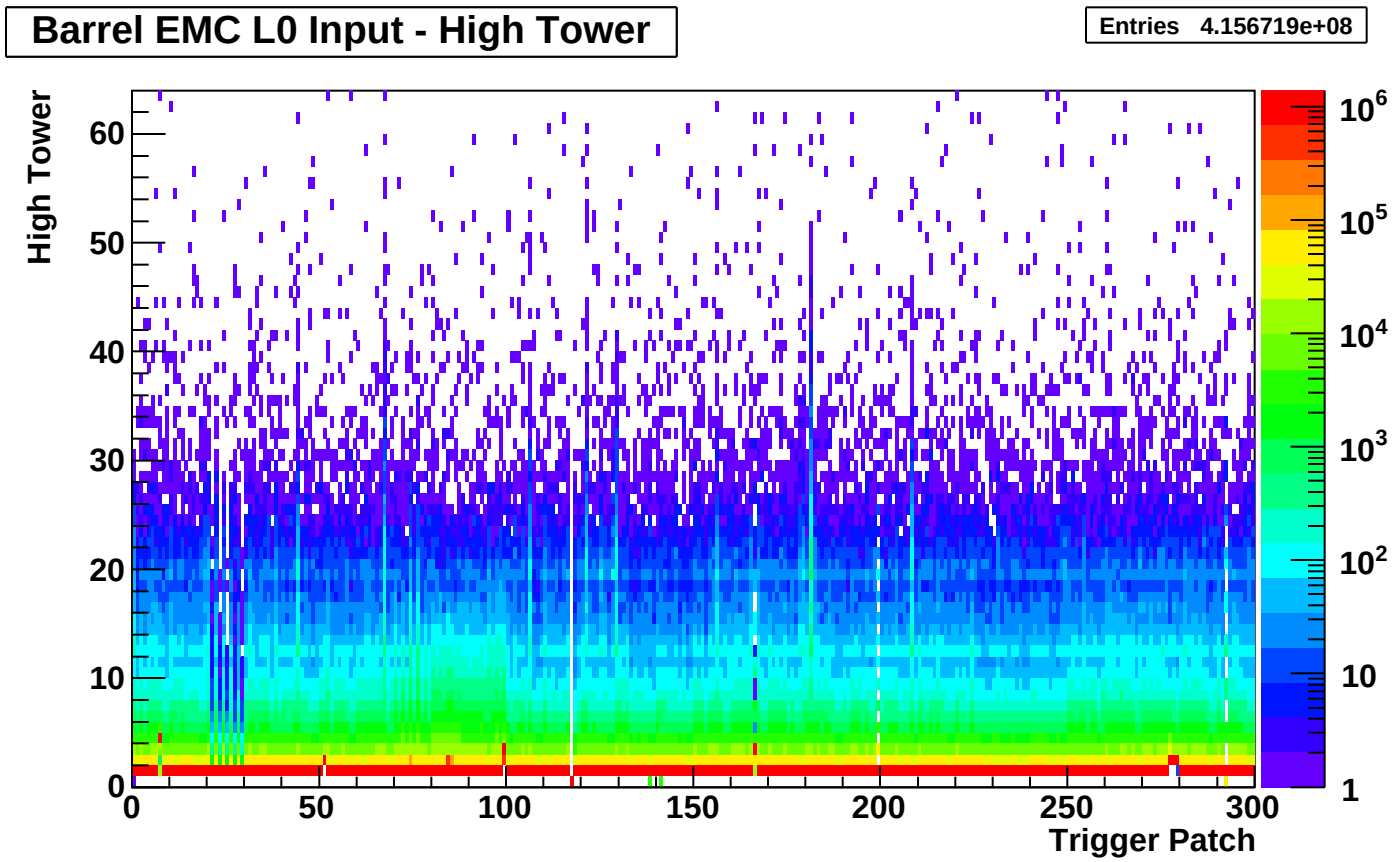

DAQ10k HT bits errors
Entries 50

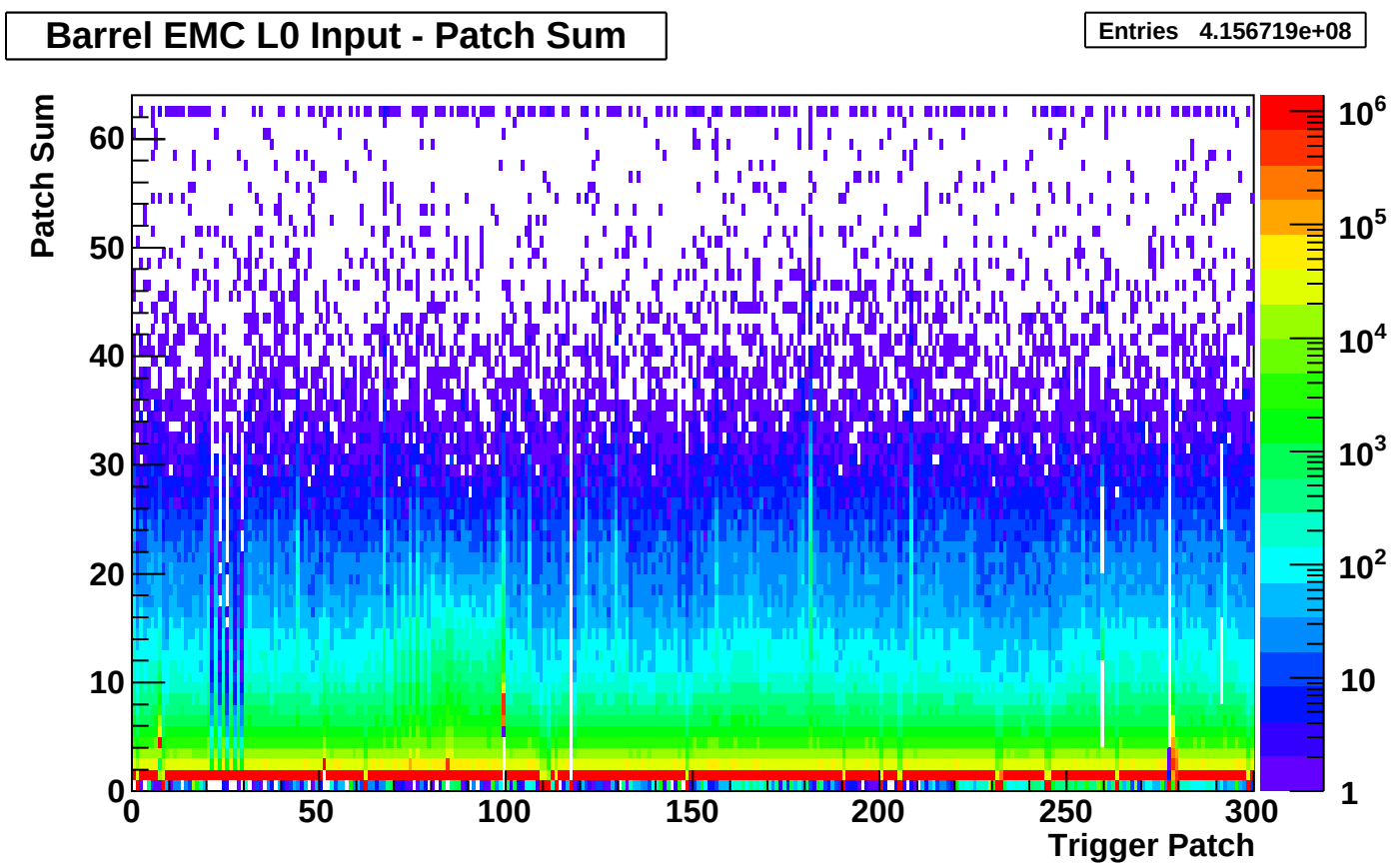

TPC Readout Mask (simulated)
Entries 225282

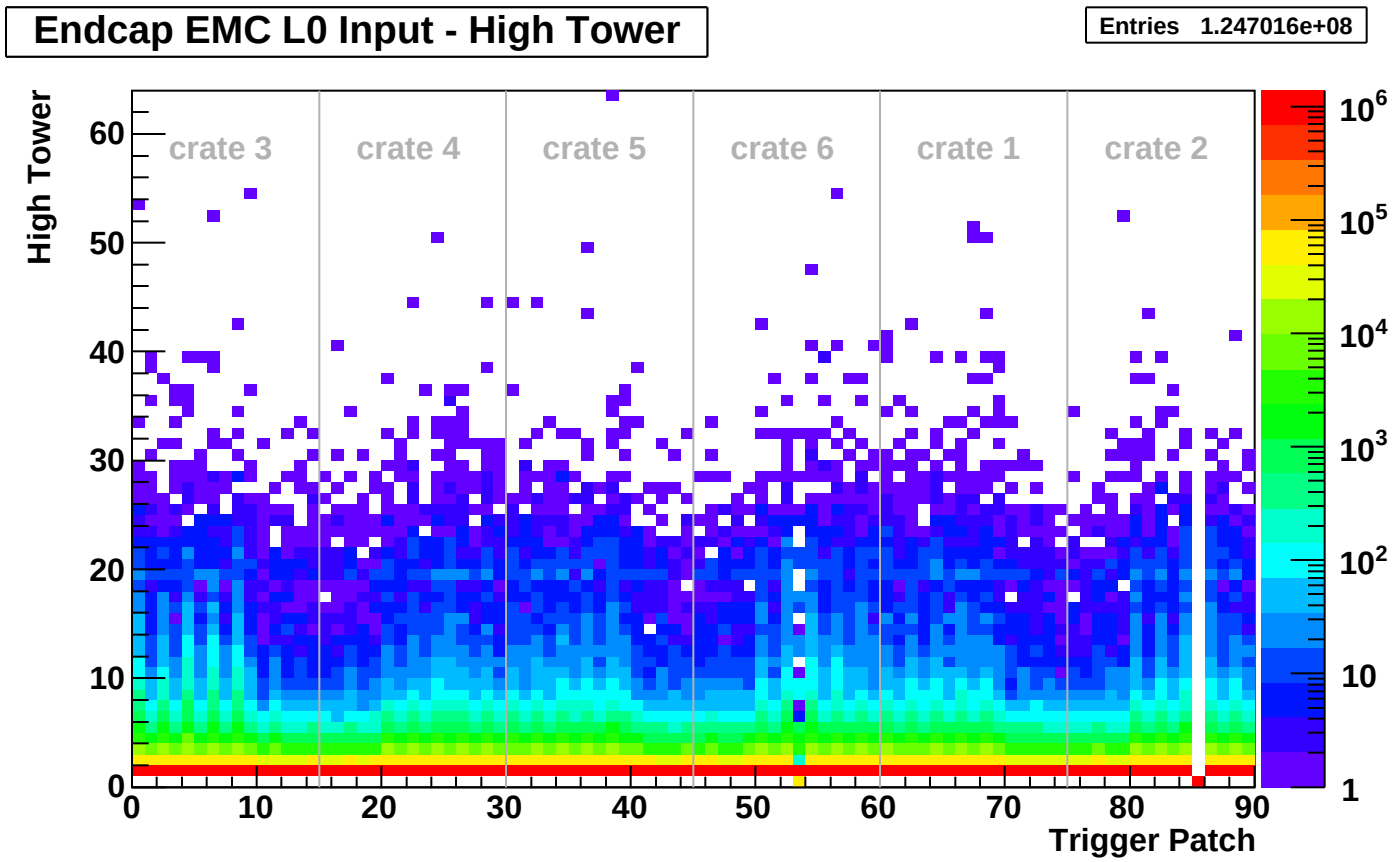

BunchId7Bit (all events)
Entries1385573

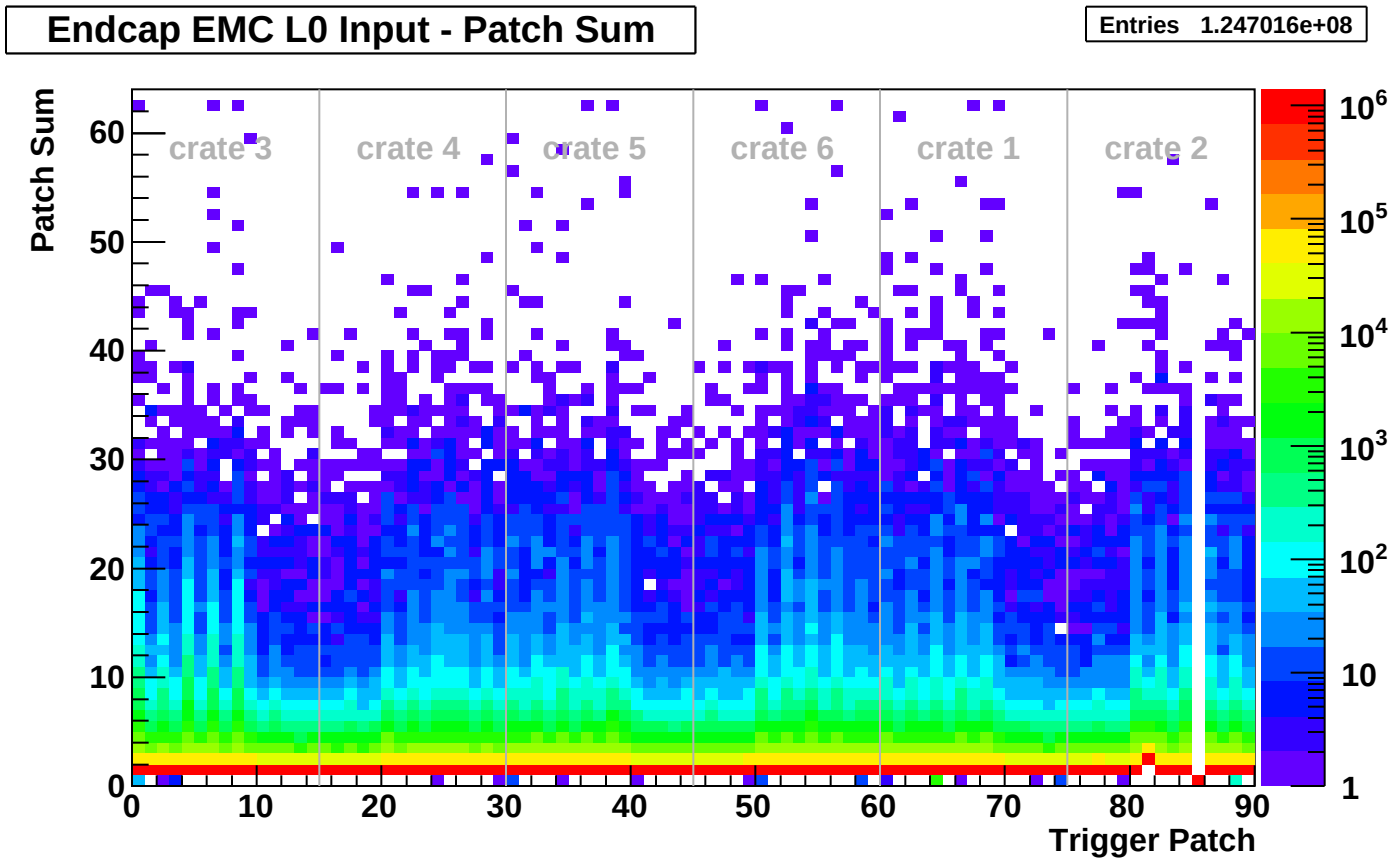

Abort-gaps
Entries 29592

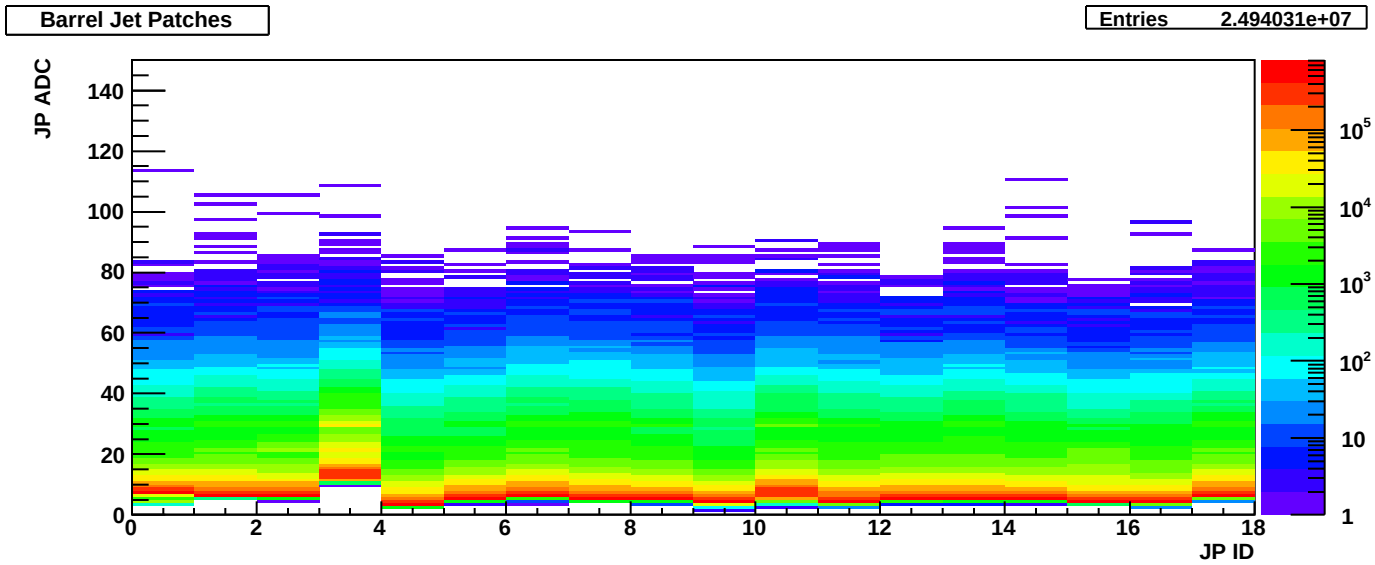

!Yellow-Fill
Entries 43984

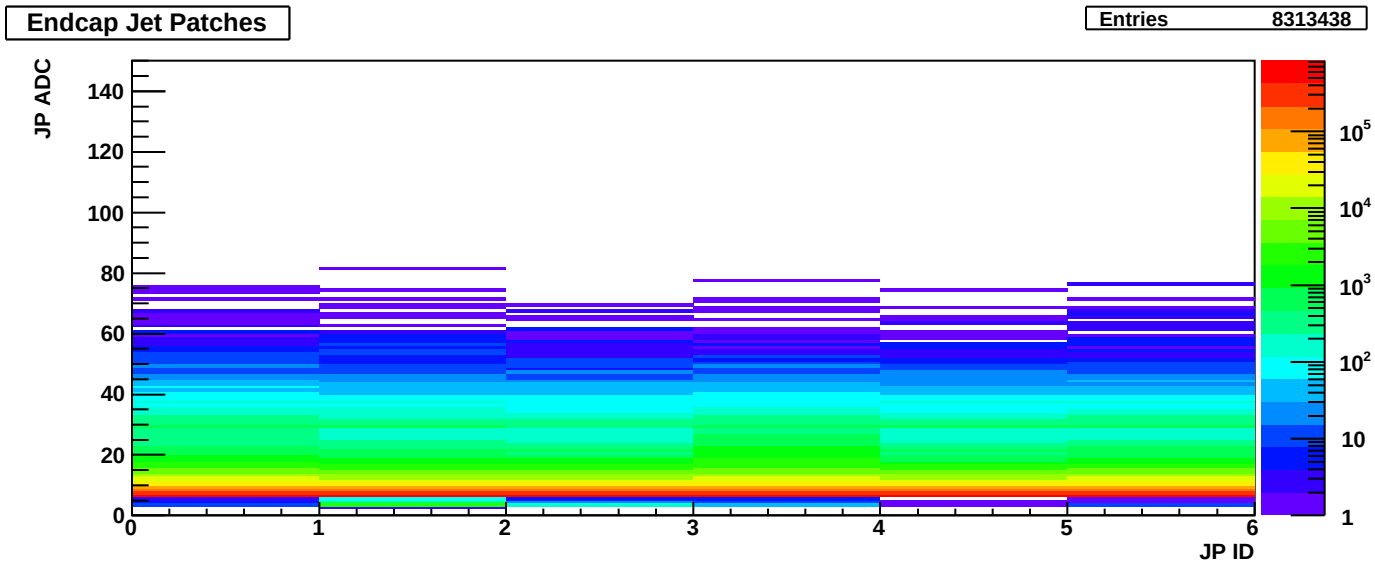

Barrel EMC L0 Input - High Tower
Entries 4.156719e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

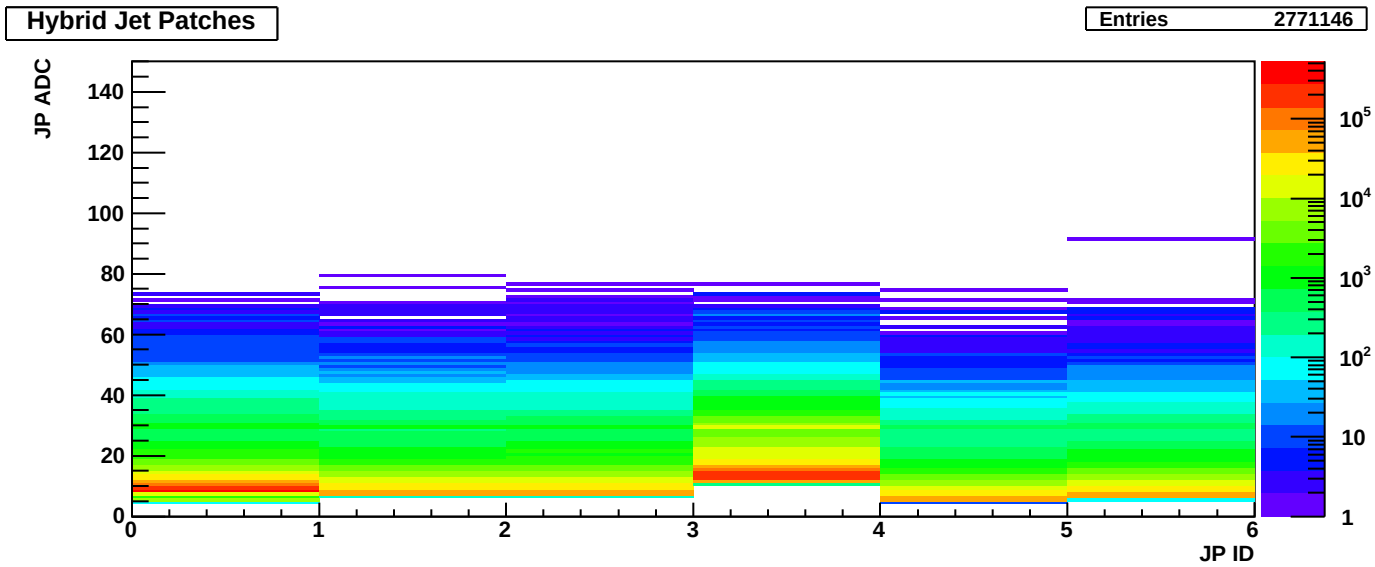

Barrel EMC L0 Input - Patch Sum
Entries 4.156719e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

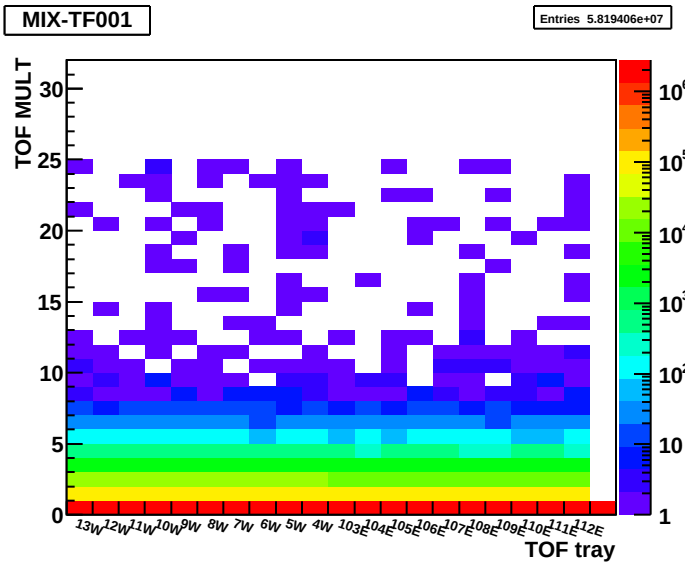

Endcap EMC L0 Input - High Tower
Entries 1.247016e+08
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

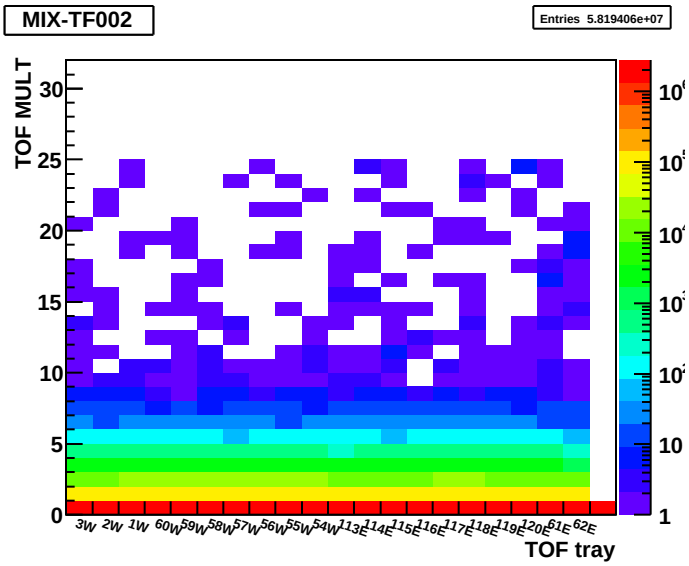

Endcap EMC L0 Input - Patch Sum
Entries 1.247016e+08
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

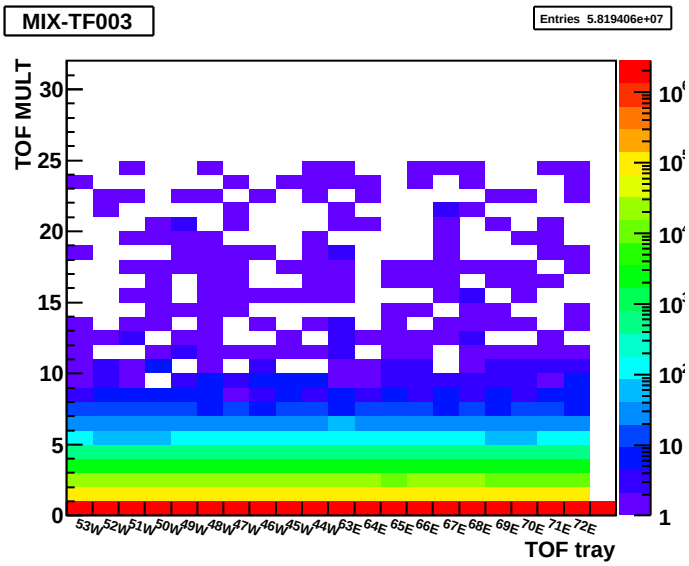

Barrel Jet Patches
Entries 2.494031e+07
JP ADC
JP ID

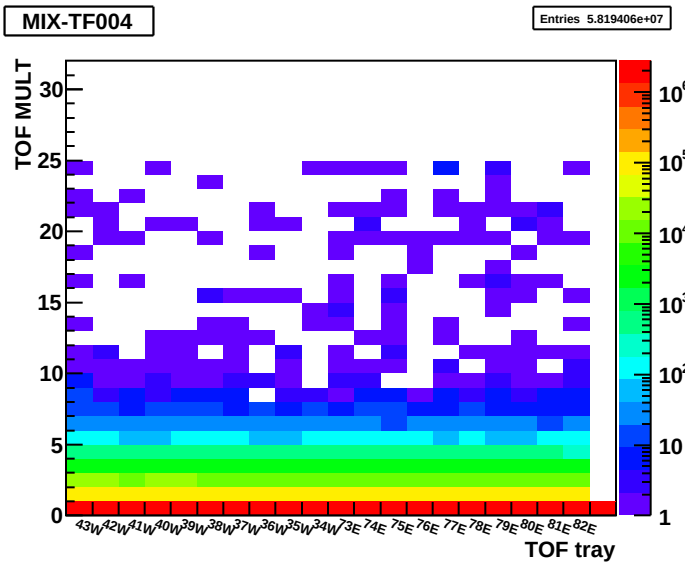

Endcap Jet Patches
Entries 8313438
JP ADC
JP ID

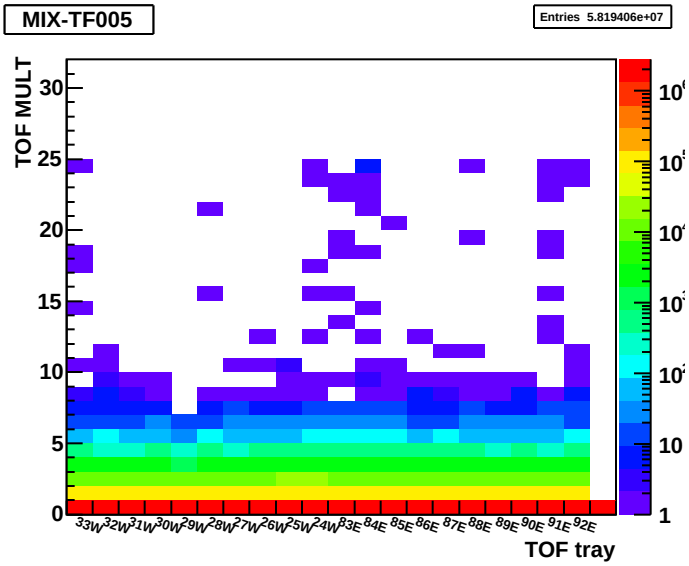

Hybrid Jet Patches
Entries 2771146
JP ADC
JP ID

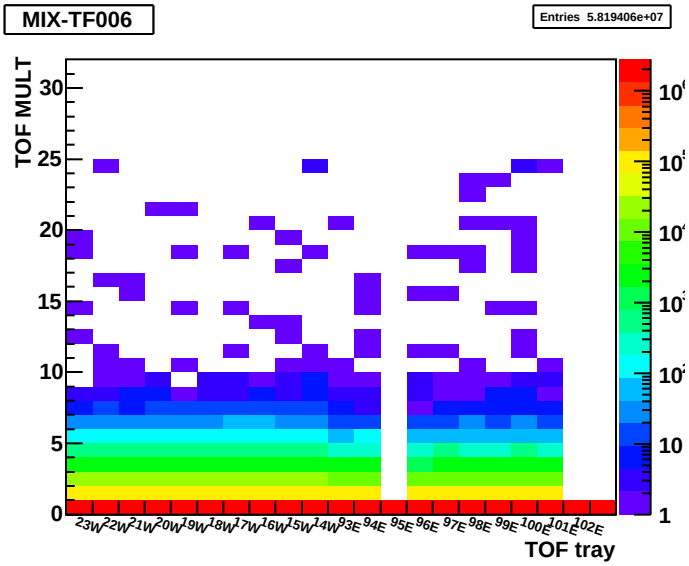

MIX-TF001
Entries 5.819406e+07
TOF MULT
TOF tray

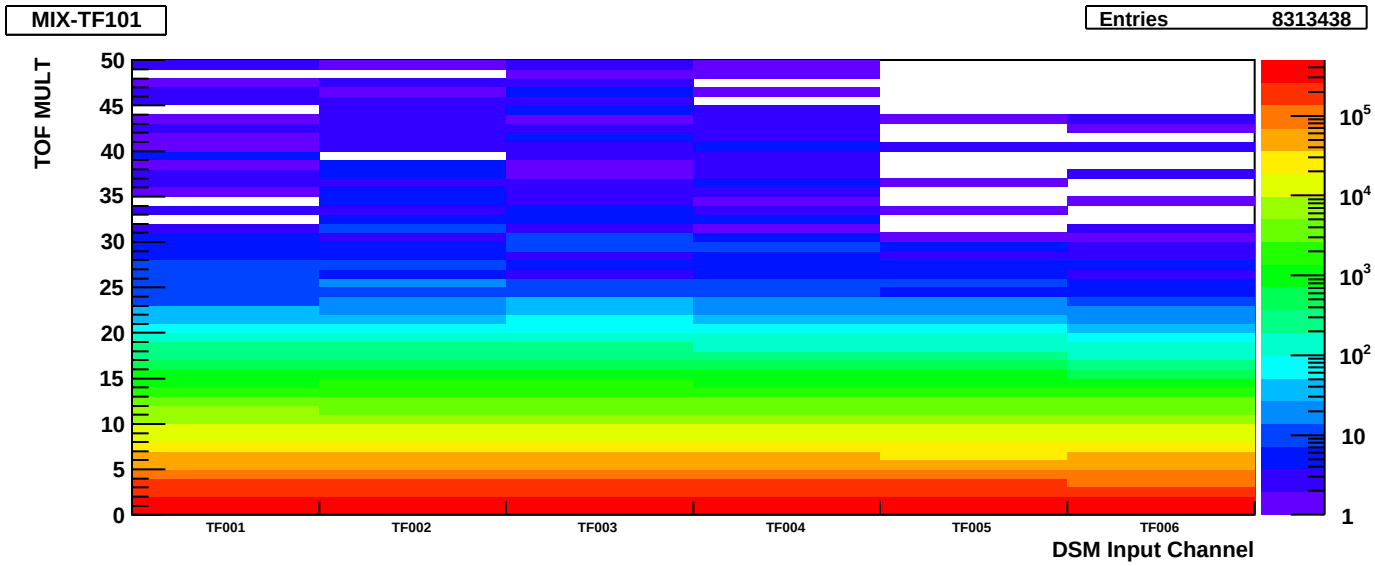

MIX-TF002
Entries 5.819406e+07
TOF MULT
TOF tray

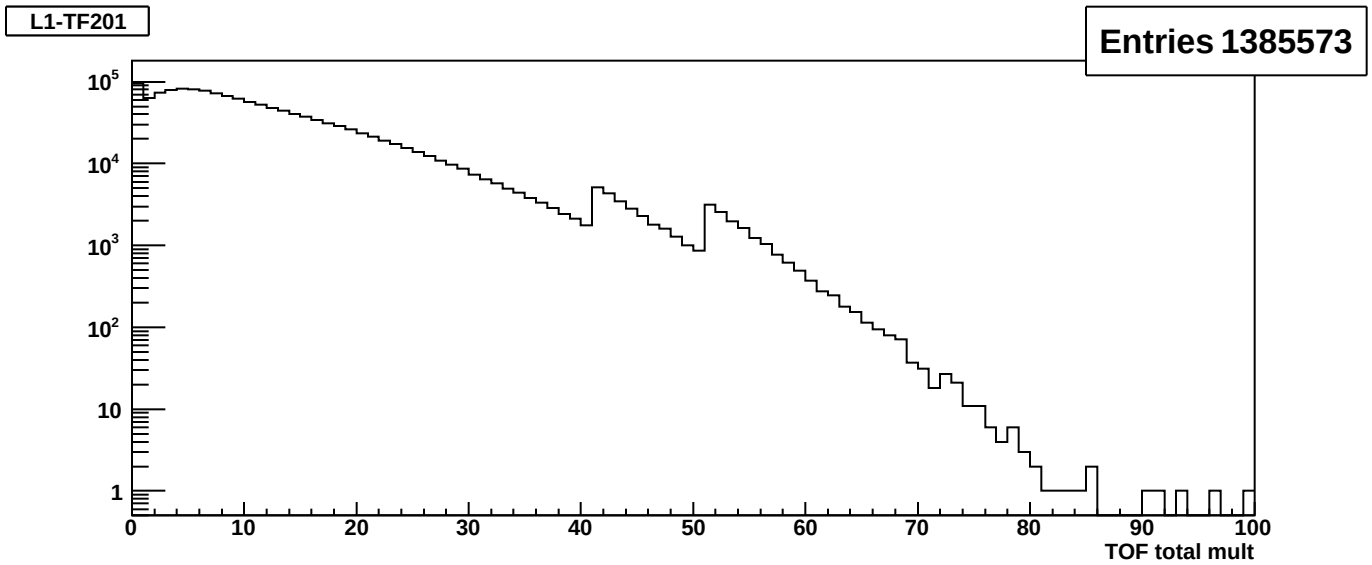

MIX-TF003
Entries 5.819406e+07
TOF MULT
TOF tray

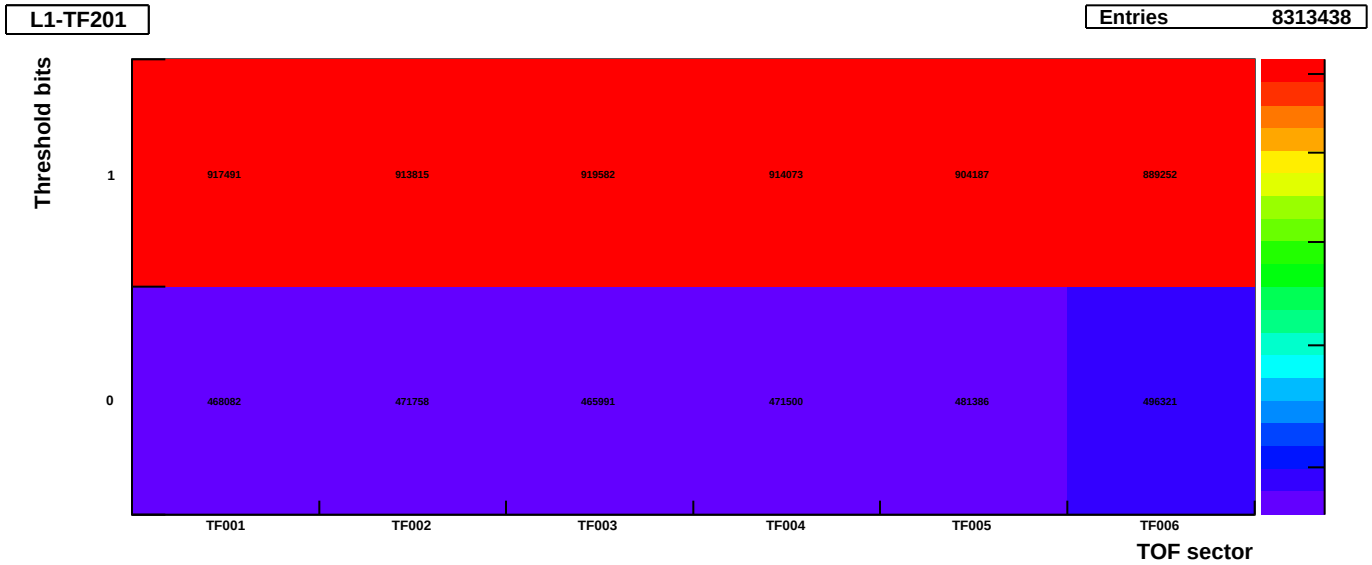

MIX-TF004
Entries 5.819406e+07
TOF MULT
TOF tray

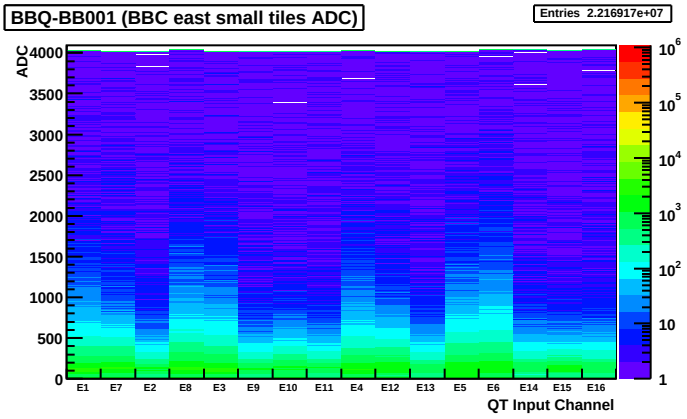

MIX-TF005
Entries 5.819406e+07
TOF MULT
TOF tray

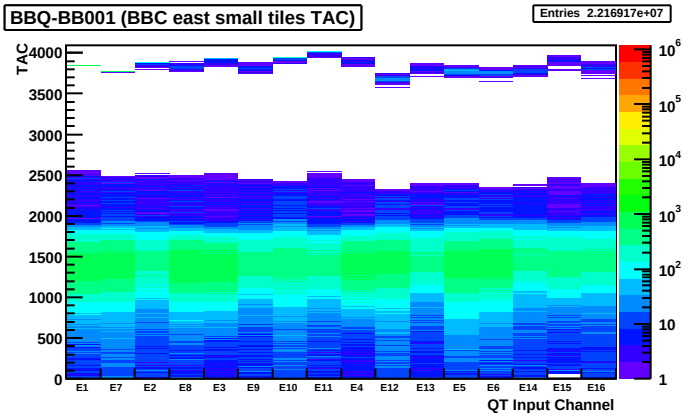

MIX-TF006
Entries 5.819406e+07
TOF MULT
TOF tray

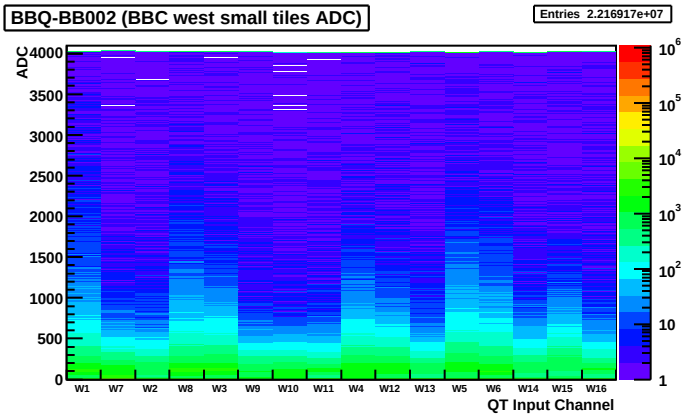

MIX-TF101
Entries 8313438
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

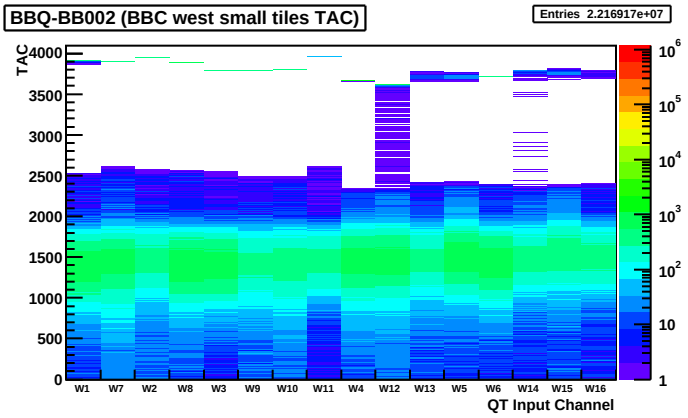

L1-TF201
Entries 1385573
TOF total mult

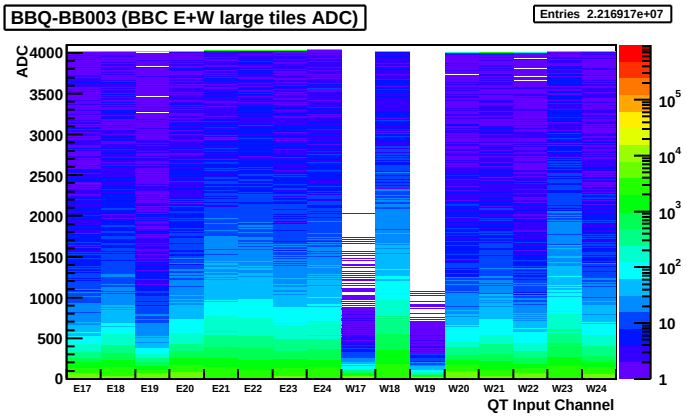

L1-TF201
Entries 8313438
Threshold bits
917491
913815
919582
914073
904187
889252
468082
471758
465991
471500
481386
496321
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

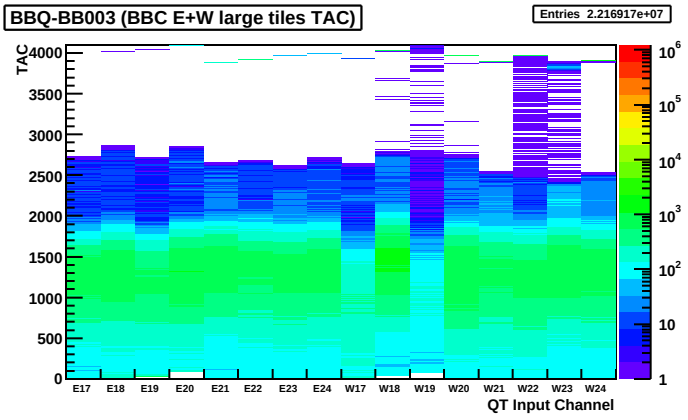

BBQ-BB001 (BBC east small tiles ADC)
Entries 2.216917e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

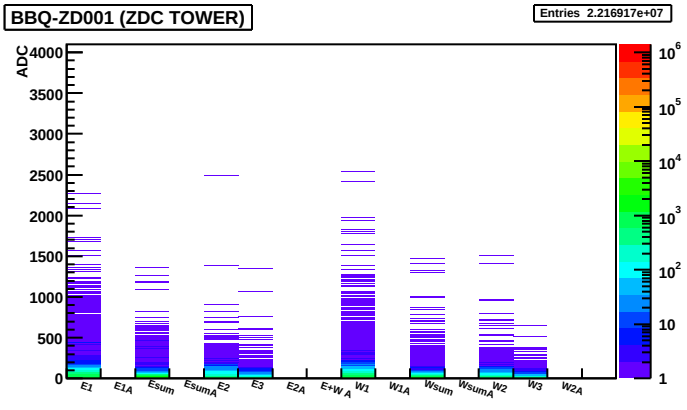

BBQ-BB001 (BBC east small tiles TAC)
Entries 2.216917e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

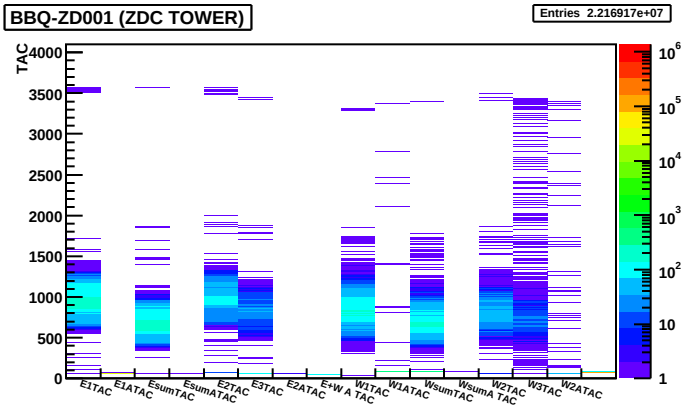

BBQ-BB002 (BBC west small tiles ADC)
Entries 2.216917e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

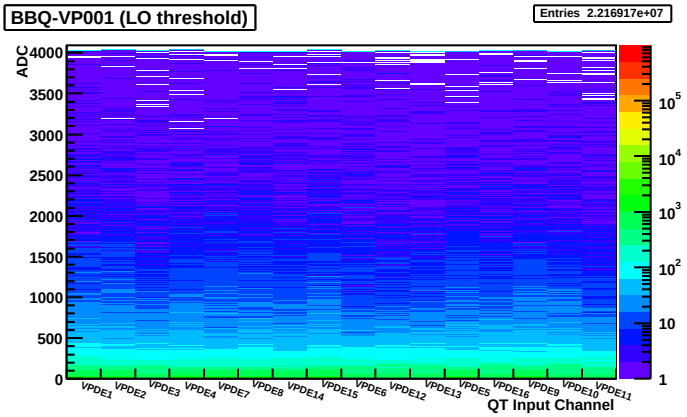

BBQ-BB002 (BBC west small tiles TAC)
Entries 2.216917e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

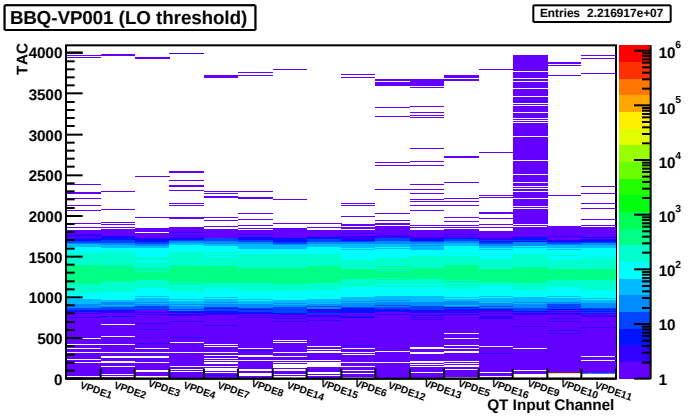

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.216917e+07
ADC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

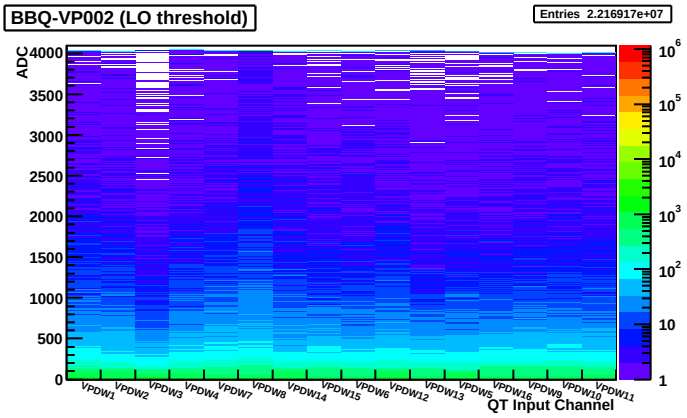

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.216917e+07
TAC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

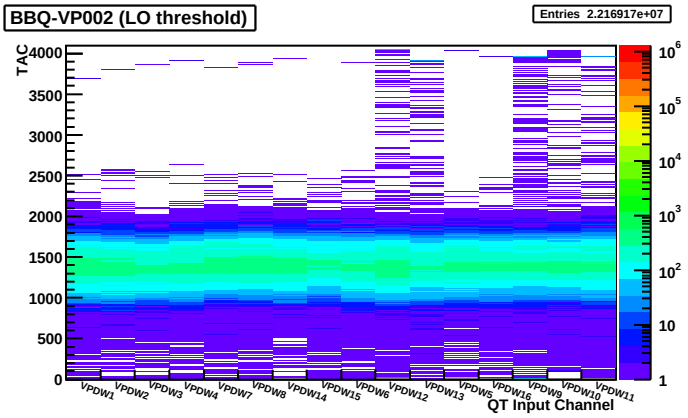

BBQ-ZD001 (ZDC TOWER)
Entries 2.216917e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

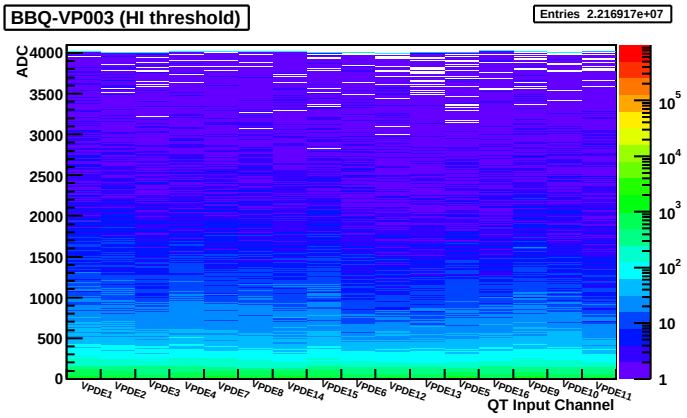

BBQ-ZD001 (ZDC TOWER)
Entries 2.216917e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

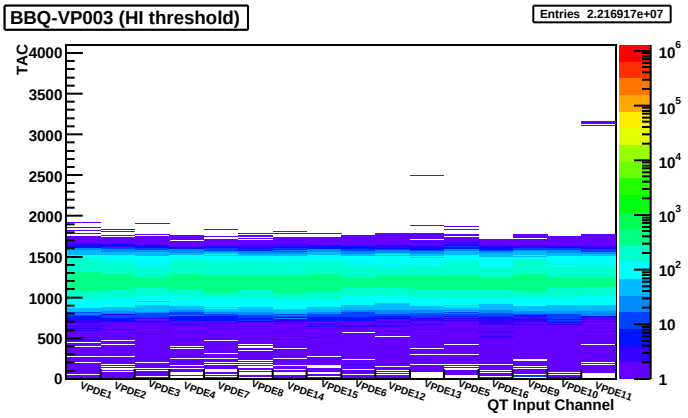

BBQ-VP001 (LO threshold)
Entries 2.216917e+07
ADC
QT Input Channel

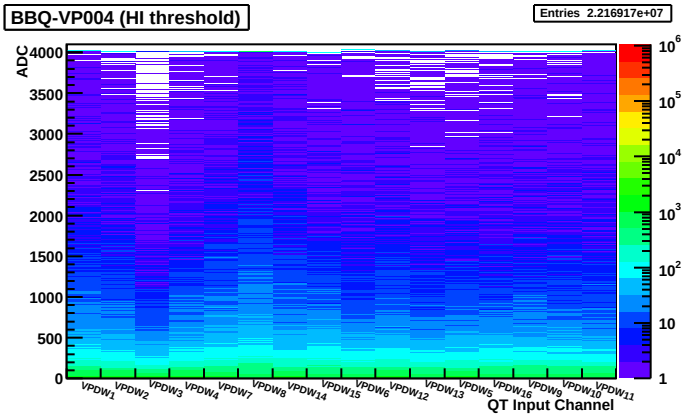

BBQ-VP001 (LO threshold)
Entries 2.216917e+07
TAC
QT Input Channel

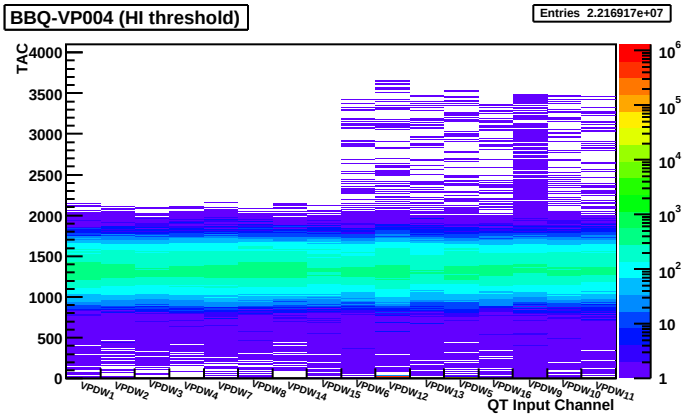

BBQ-VP002 (LO threshold)
Entries 2.216917e+07
ADC
QT Input Channel

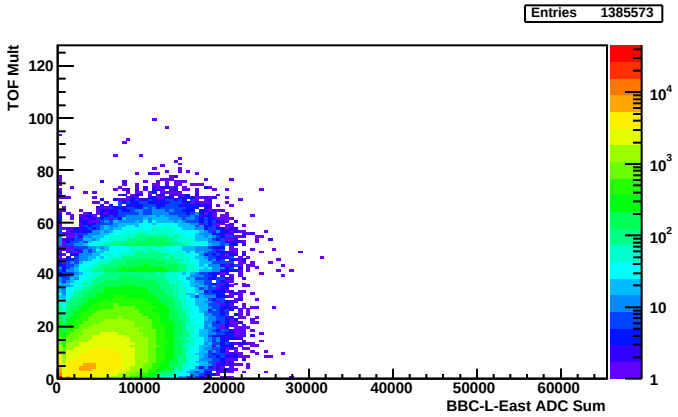

BBQ-VP002 (LO threshold)
Entries 2.216917e+07
TAC
QT Input Channel

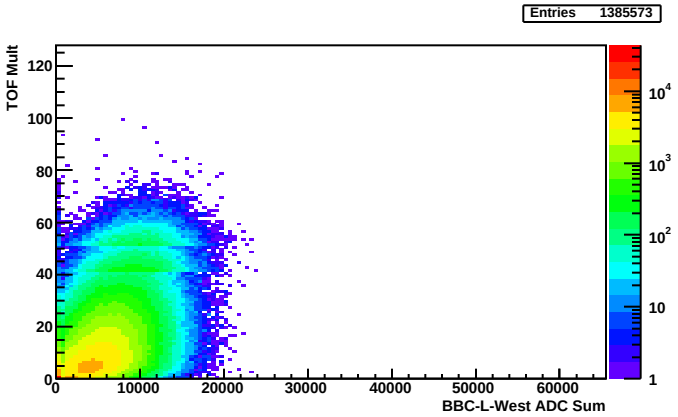

BBQ-VP003 (HI threshold)
Entries 2.216917e+07
ADC
QT Input Channel

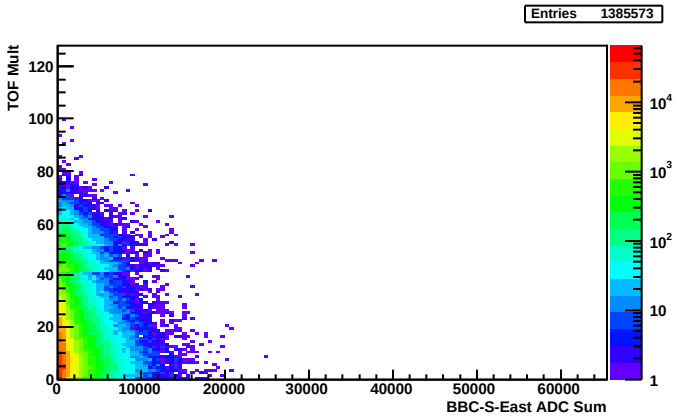

BBQ-VP003 (HI threshold)
Entries 2.216917e+07
TAC
QT Input Channel

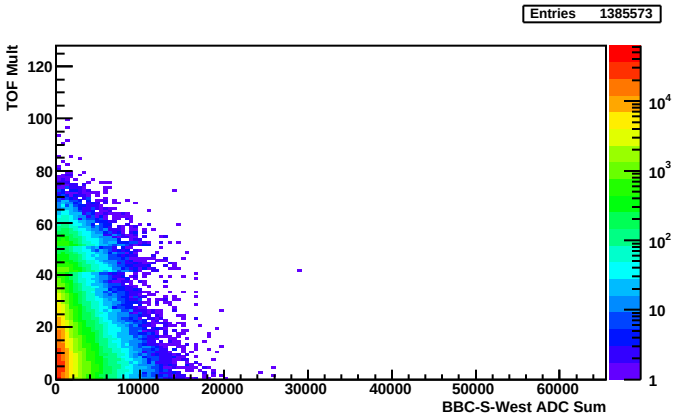

BBQ-VP004 (HI threshold)
Entries 2.216917e+07
ADC
QT Input Channel

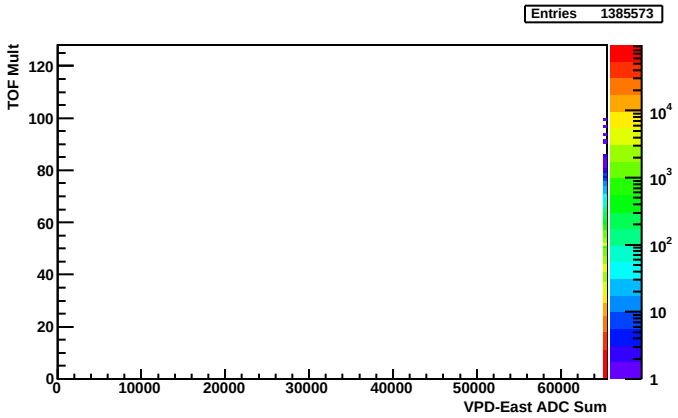

BBQ-VP004 (HI threshold)
Entries 2.216917e+07
TAC
QT Input Channel

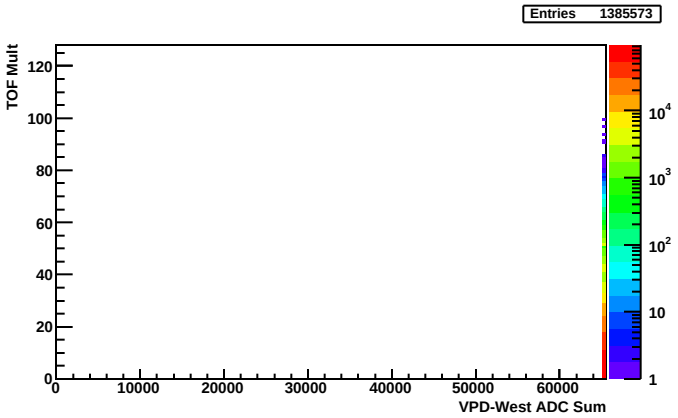

Entries 1385573
TOF Mult
BBC-L-East ADC Sum

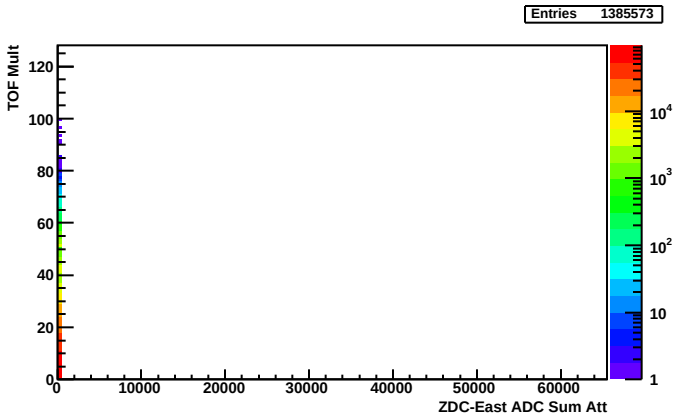

Entries 1385573
TOF Mult
BBC-L-West ADC Sum

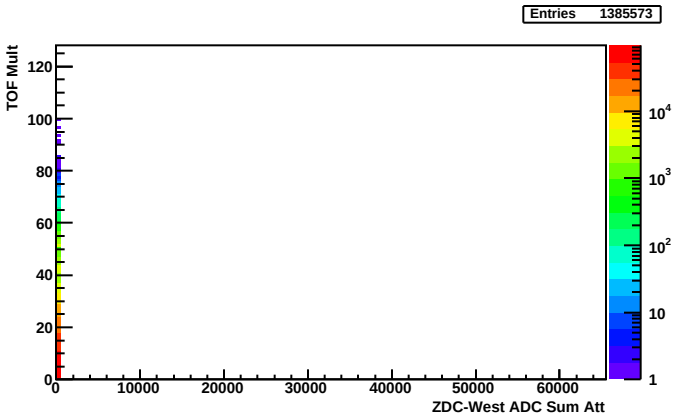

Entries 1385573
TOF Mult
BBC-S-East ADC Sum

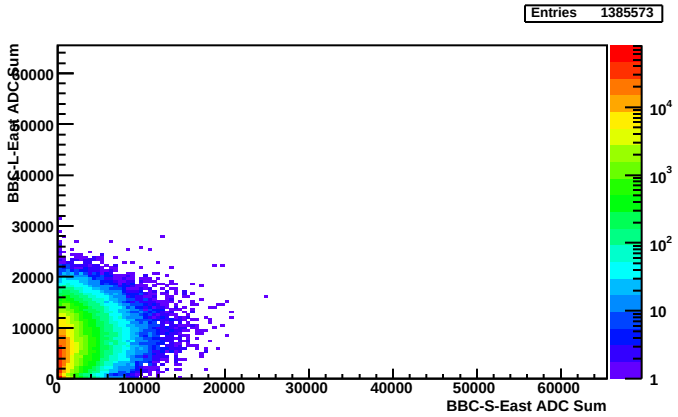

Entries 1385573
TOF Mult
BBC-S-West ADC Sum


Entries 1385573
TOF Mult
VPD-East ADC Sum


Entries 1385573
TOF Mult
VPD-West ADC Sum


Entries 1385573
TOF Mult
ZDC-East ADC Sum Att


Entries 1385573
TOF Mult
ZDC-West ADC Sum Att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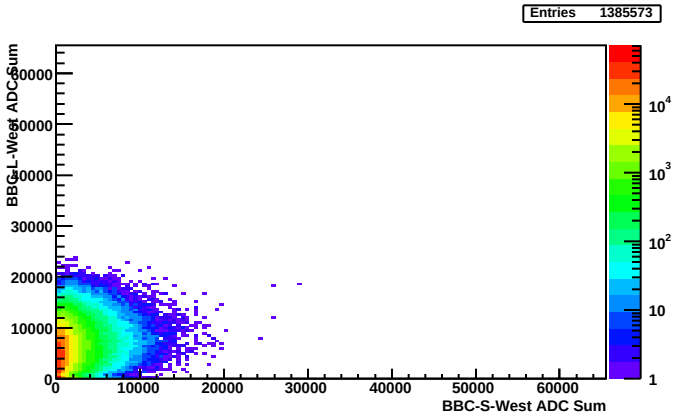
BBC-L-East ADC Sum
BBC-S-East ADC Sum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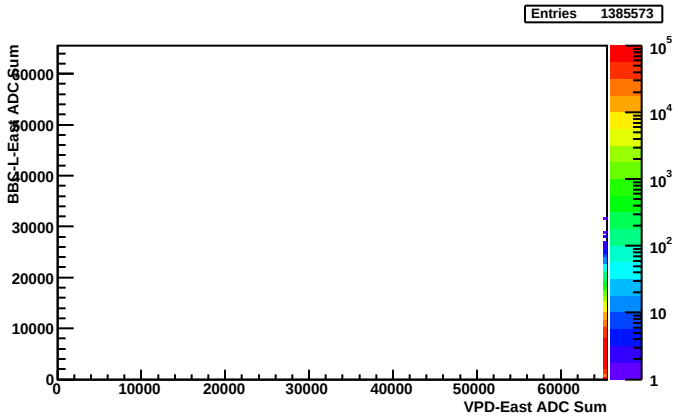
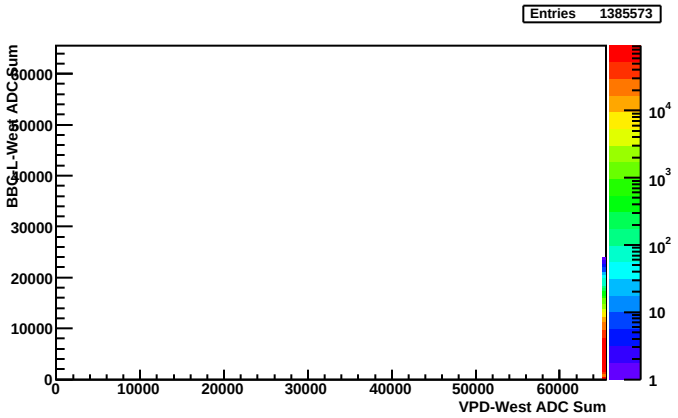
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 1385573
BBC-L-East ADC Sum
VPD-East ADC Sum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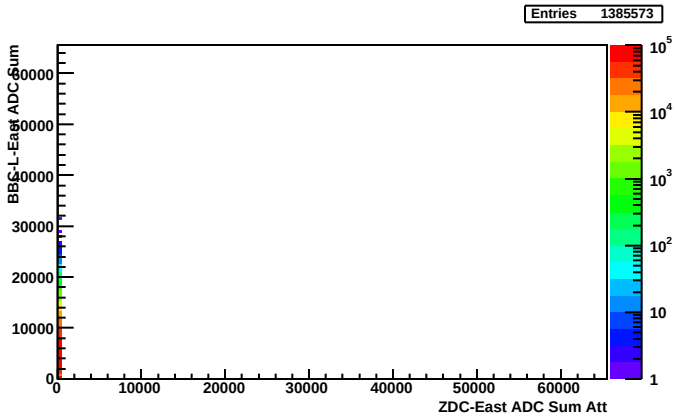
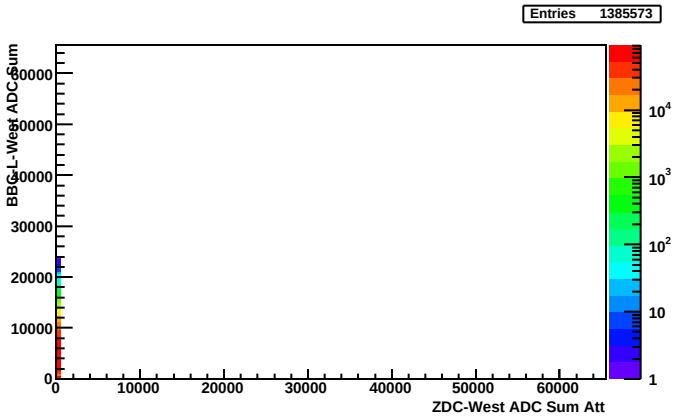
BBC-L-West ADC Sum
VPD-West ADC Sum


Entries 1385573
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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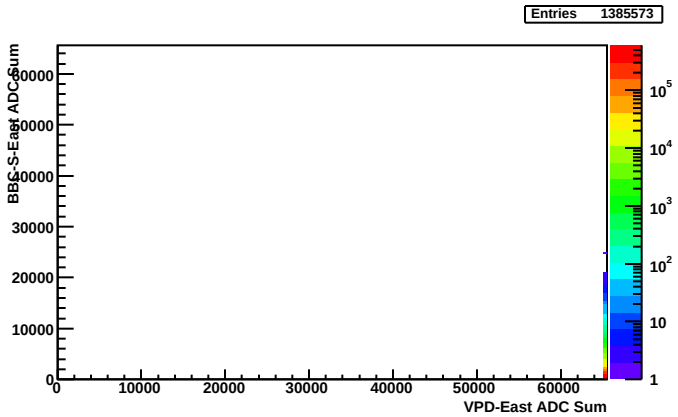
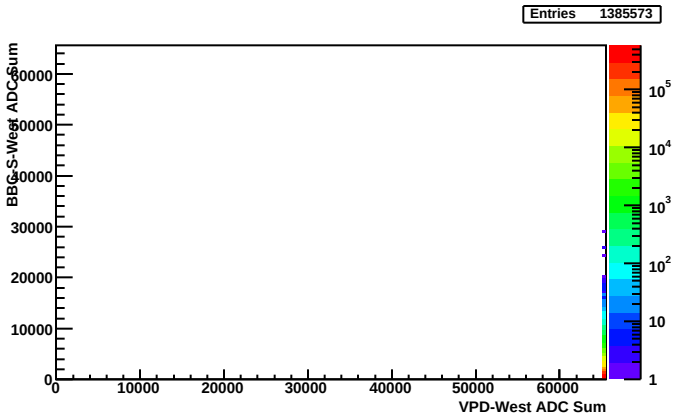
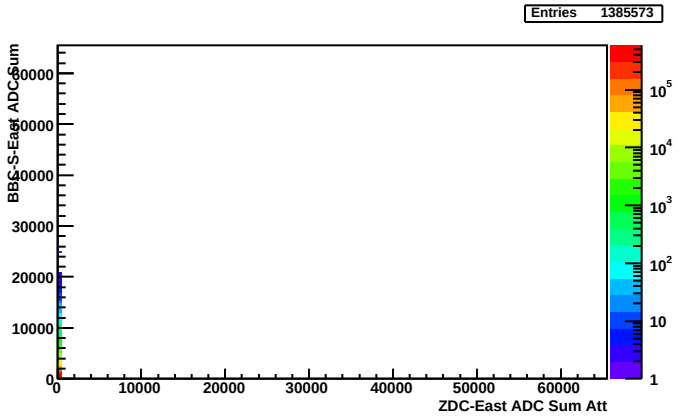
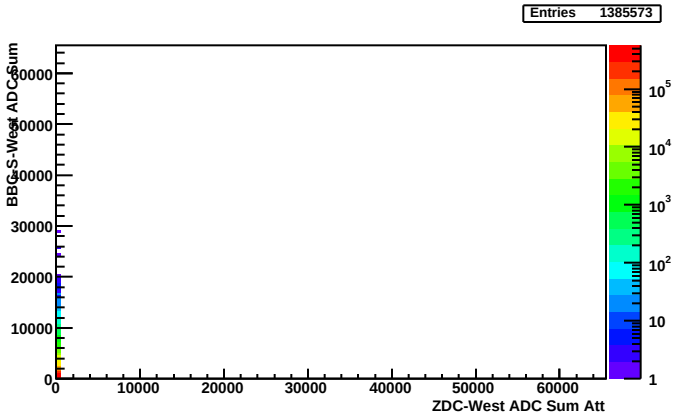
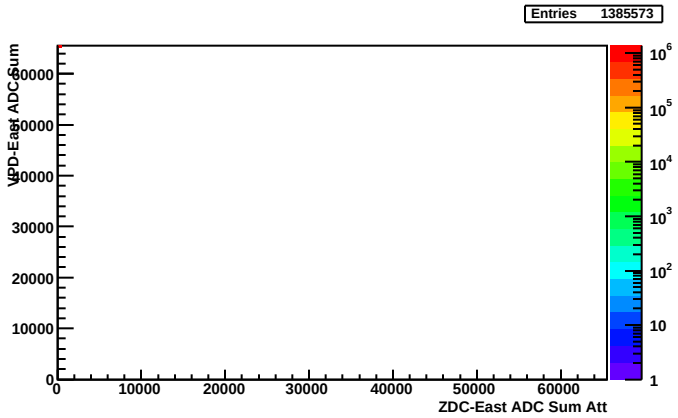
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

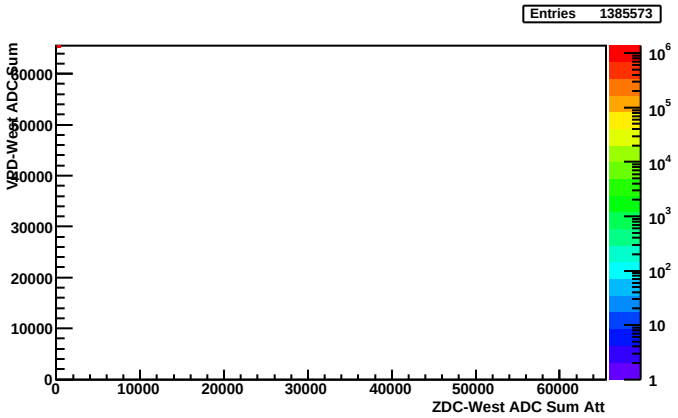

Entries 1385573
BBC-S-East ADC Sum
VPD-East ADC Sum

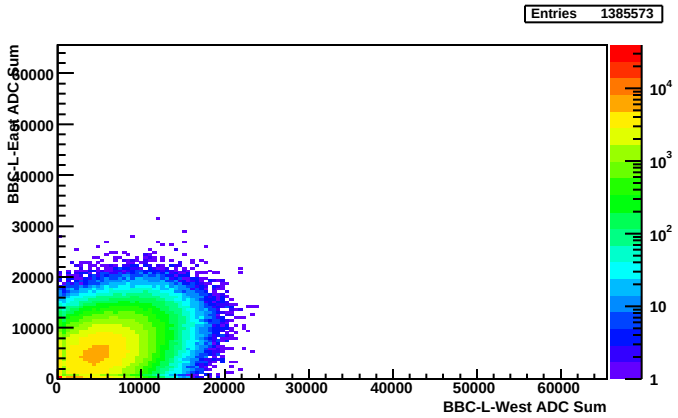

Entries 1385573
BBC-S-West ADC Sum
VPD-West ADC Sum

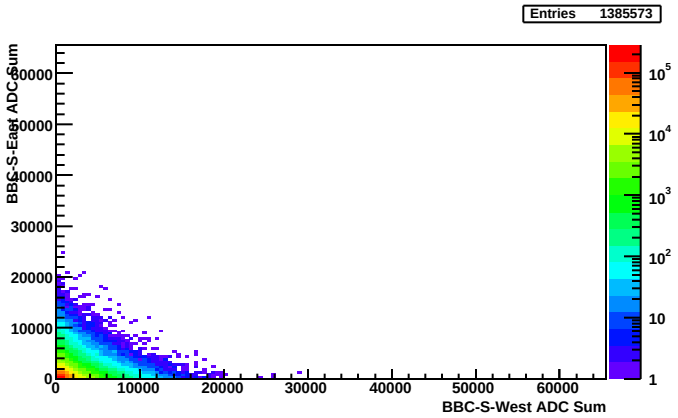

Entries 1385573
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 1385573
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 1385573
VPD-East ADC Sum
ZDC-East ADC Sum Att


Entries 1385573
VPD-West ADC Sum
ZDC-West ADC Sum Att


Entries 1385573
BBC-L-East ADC Sum
BBC-L-West ADC Sum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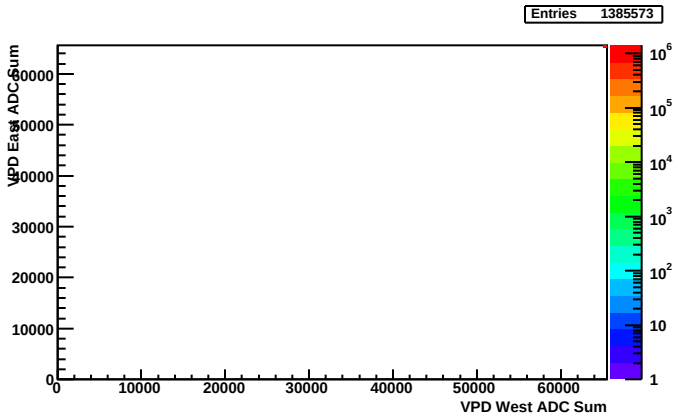
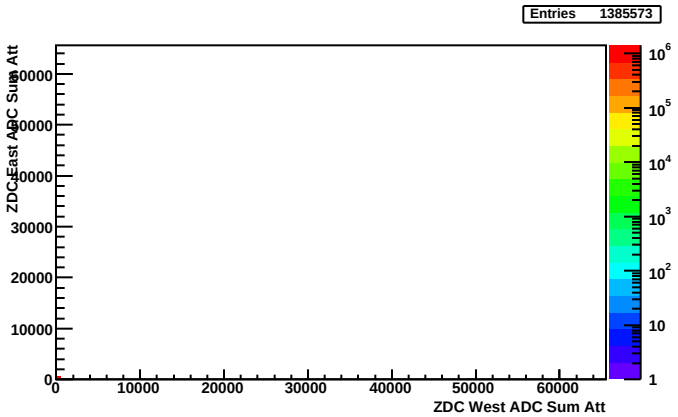
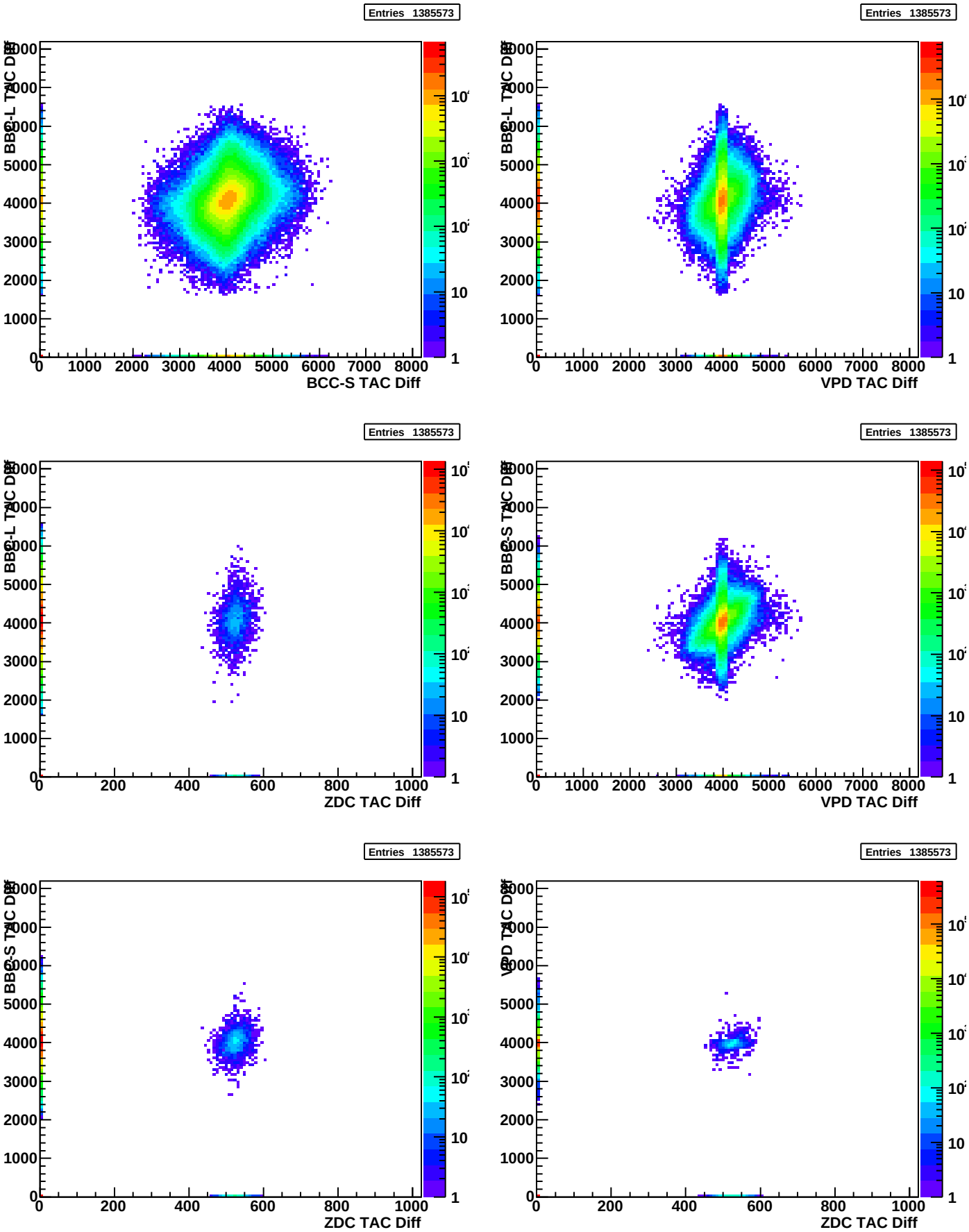
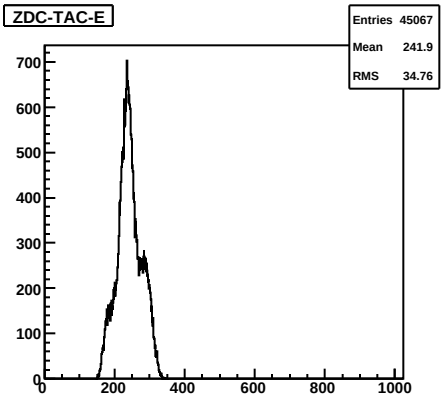
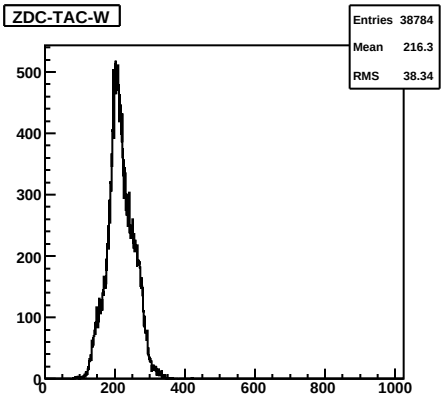
BBC-S-East ADC Sum
BBC-S-West ADC Sum

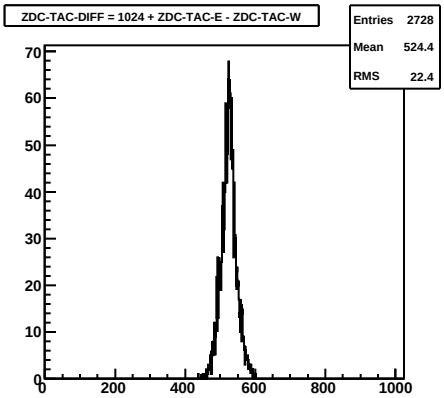

Entries 1385573
VPD East ADC Sum
VPD West ADC Sum

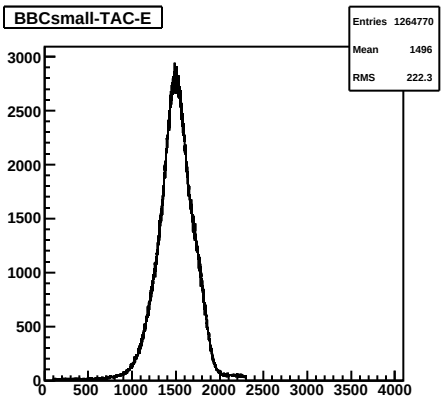

Entries 1385573
ZDC East ADC Sum Att
ZDC West ADC Sum Att

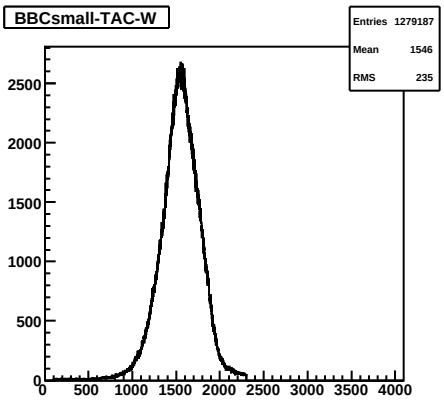

Entries 1385573
BBC-L TAC Diff
BCC-S TAC Diff
Entries 1385573
BBC-L TAC Diff
VPD TAC Diff
Entries 1385573
BBC-L TAC Diff
ZDC TAC Diff
Entries 1385573
BBC-S TAC Diff
VPD TAC Diff
Entries 1385573
BBC-S TAC Diff
ZDC TAC Diff
Entries 1385573
VPD TAC Diff
ZDC TAC Diff

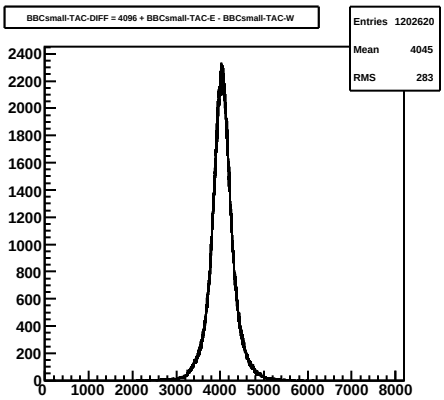

ZDC-TAC-E
Entries 45067
Mean 241.9
RMS 34.76

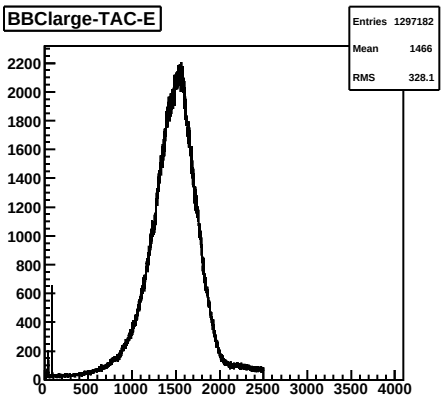

ZDC-TAC-W
Entries 38784
Mean 216.3
RMS 38.34

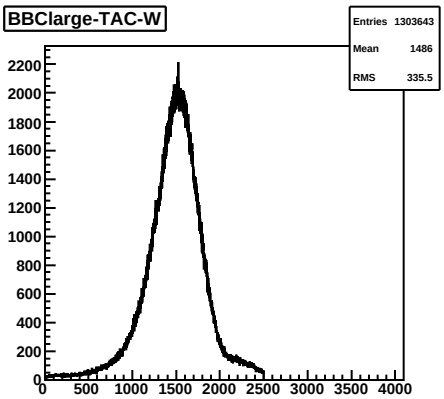

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 2728
Mean 524.4
RMS 22.4

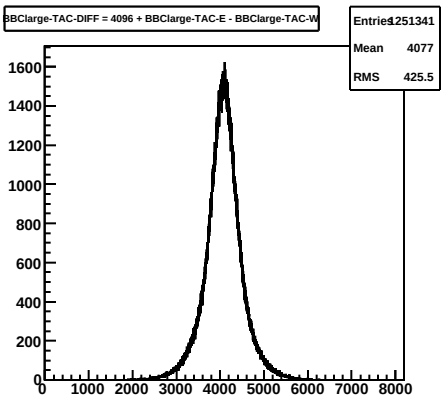

BBCsmall-TAC-E
Entries 1264770
Mean 1496
RMS 222.3

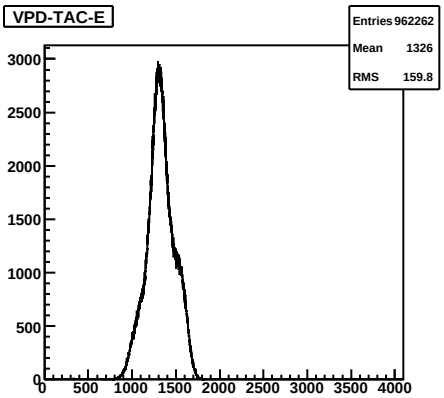

BBCsmall-TAC-W
Entries 1279187
Mean 1546
RMS 235

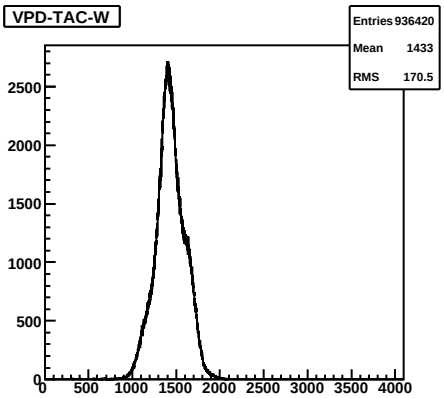

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 1202620
Mean 4045
RMS 283

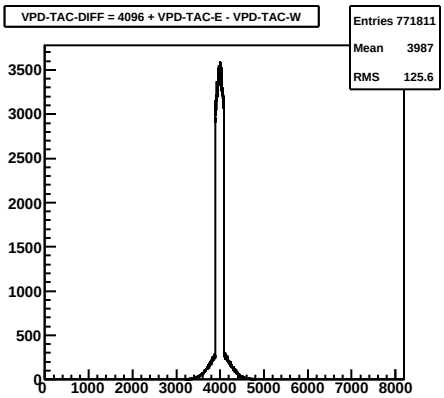

BBClarge-TAC-E
Entries 1297182
Mean 1466
RMS 328.1

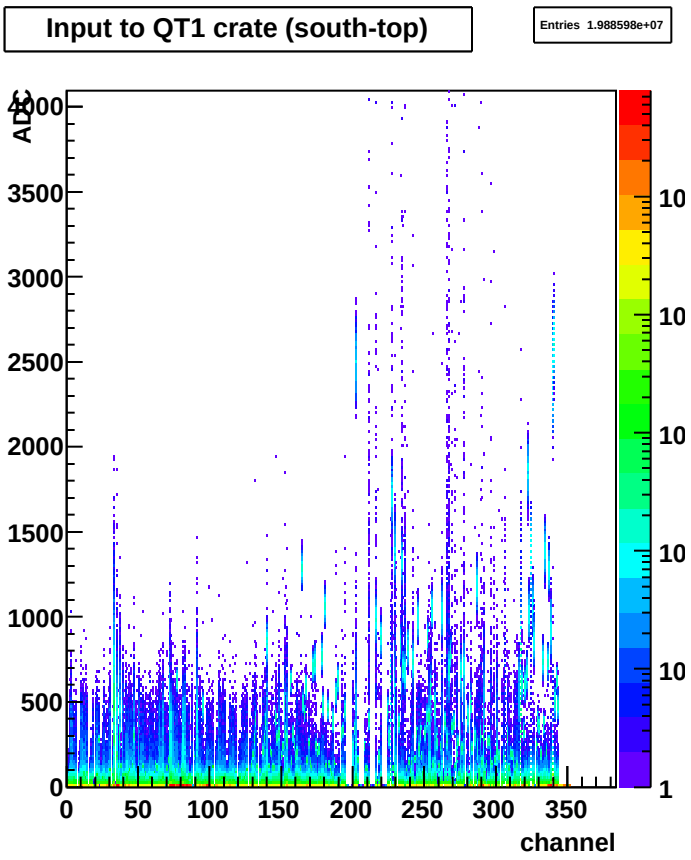

BBClarge-TAC-W
Entries 1303643
Mean 1486
RMS 335.5

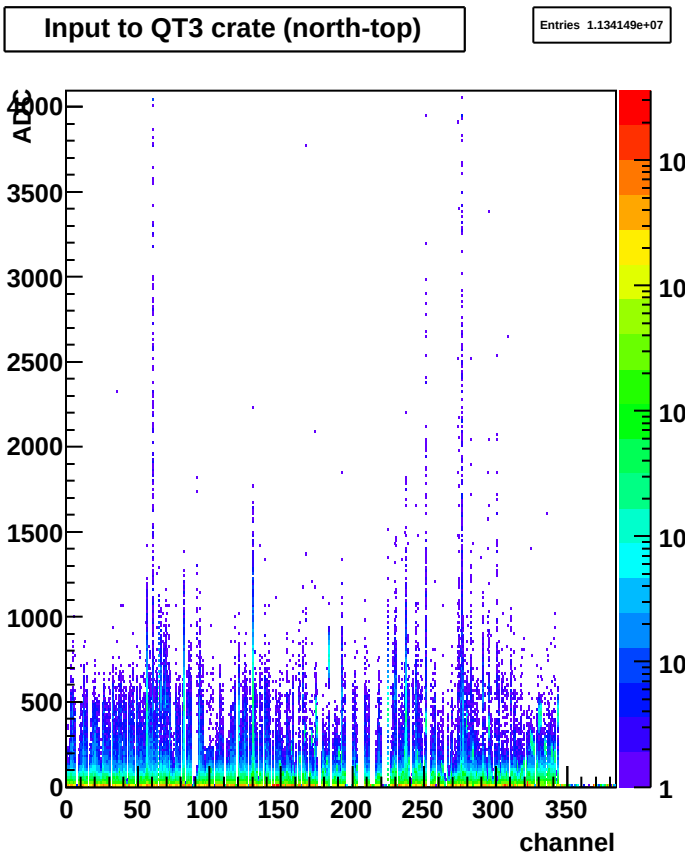

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 1251341
Mean 4077
RMS 425.5

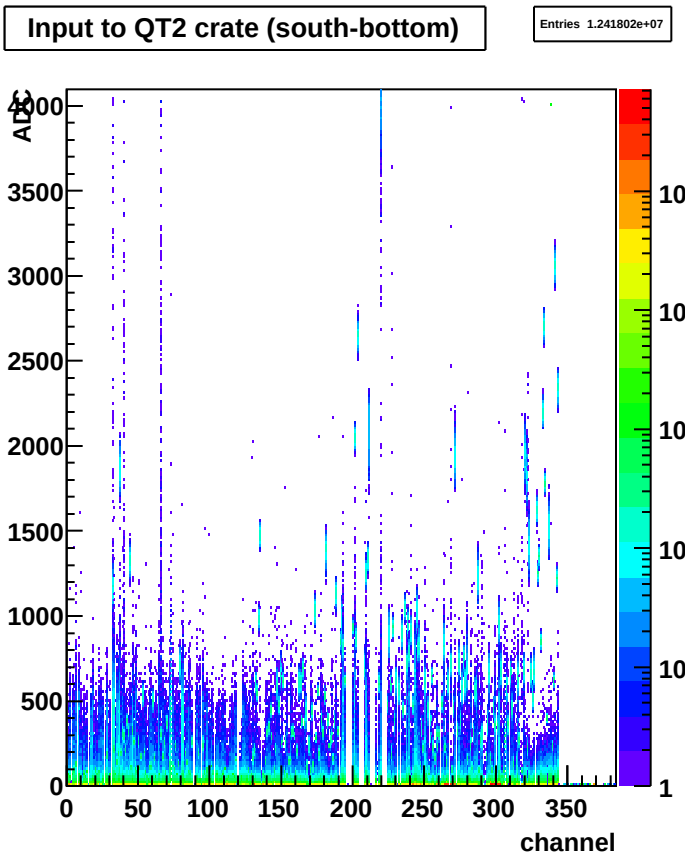

VPD-TAC-E
Entries 962262
Mean 1326
RMS 159.8

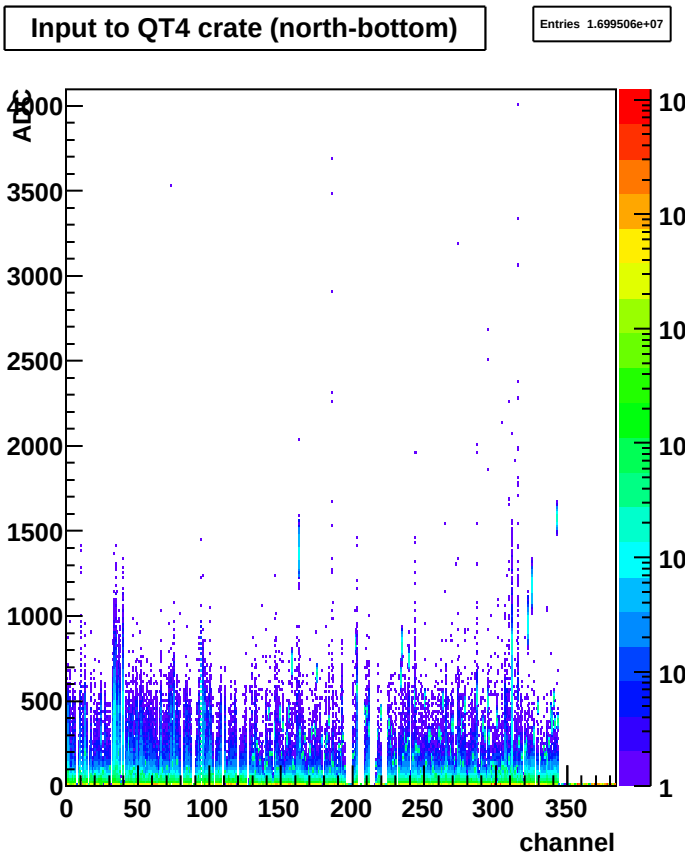

VPD-TAC-W
Entries 936420
Mean 1433
RMS 170.5

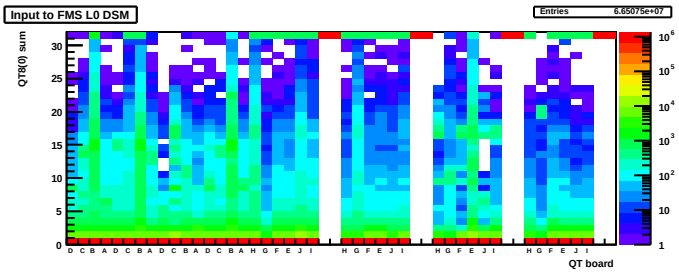

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 771811
Mean 3987
RMS 125.6

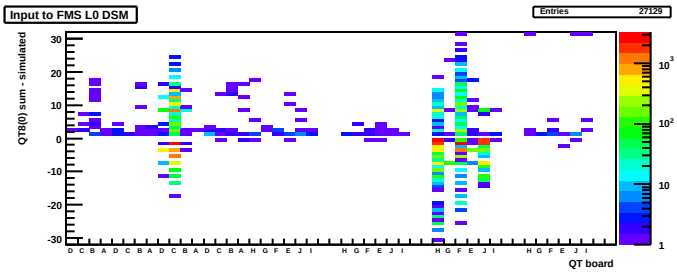

Input to QT1 crate (south-top)
Entries 1.988598e+07
ADC
channel

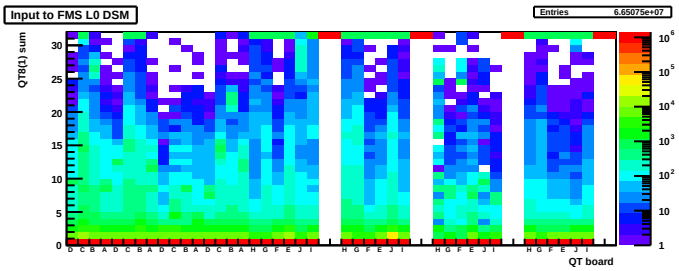

Input to QT3 crate (north-top)
Entries 1.134149e+07
ADC
channel

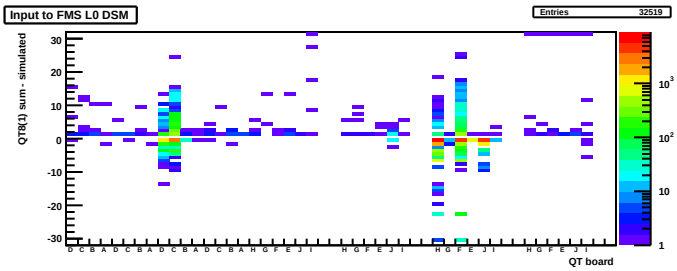

Input to QT2 crate (south-bottom)
Entries 1.241802e+07
ADC
channel

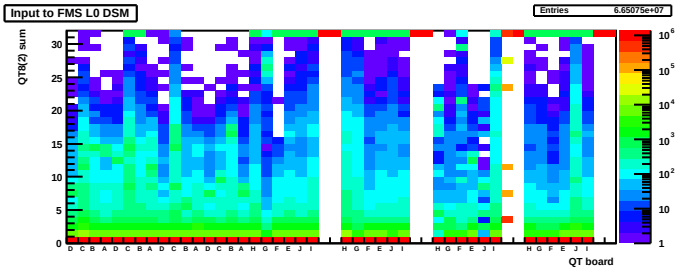

Input to QT4 crate (north-bottom)
Entries 1.699506e+07
ADC
channel

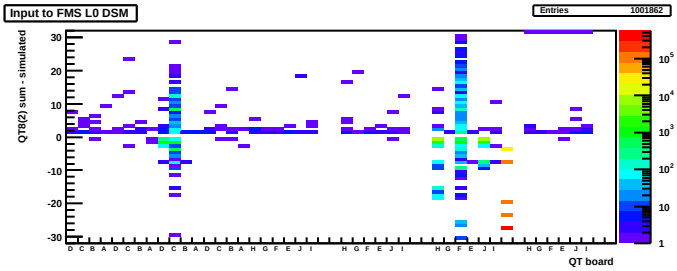

Input to FMS L0 DSM
Entries 6.65075e+07
QT8(0) sum
QT board

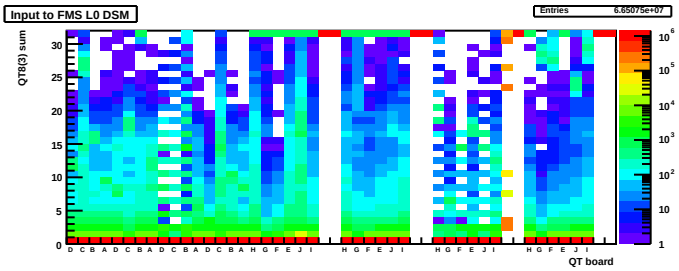

Input to FMS L0 DSM
Entries 27129
QT8(0) sum - simulated
QT board

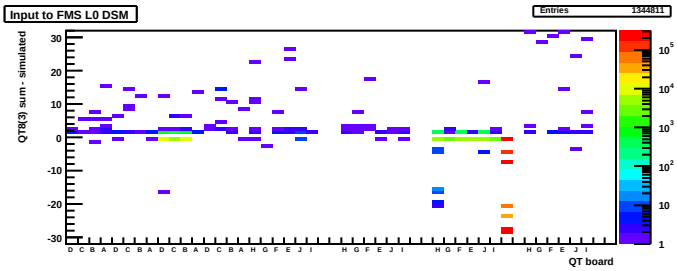

Input to FMS L0 DSM
Entries 6.65075e+07
QT8(1) sum
QT board

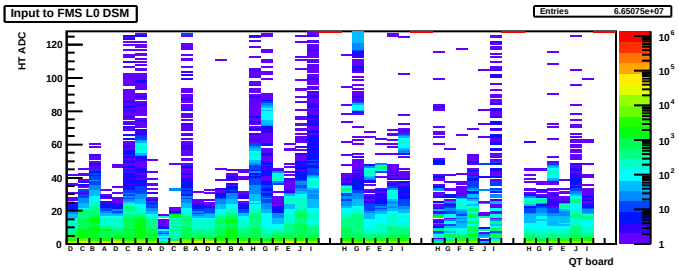

Input to FMS L0 DSM
Entries 32519
QT8(1) sum - simulated
QT board

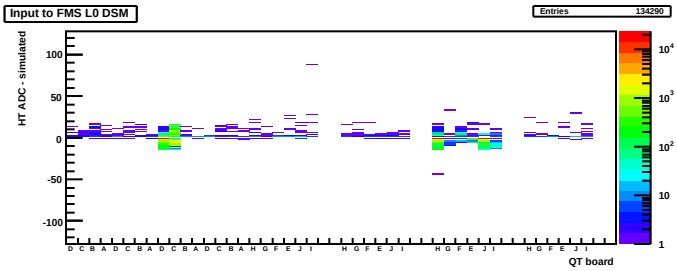

Input to FMS L0 DSM
Entries 6.65075e+07
QT8(2) sum
QT board

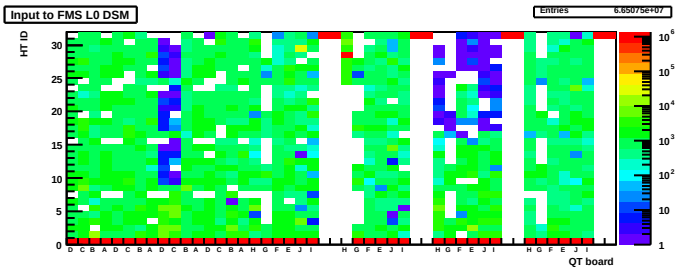

Input to FMS L0 DSM
Entries 1001862
QT8(2) sum - simulated
QT board

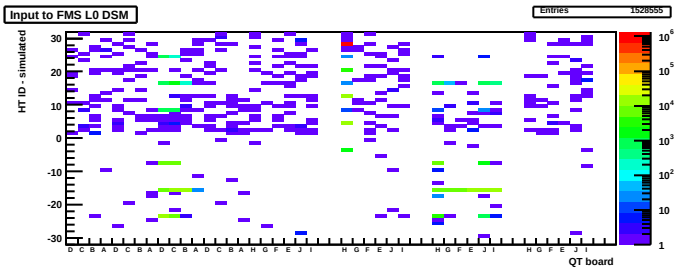

Input to FMS L0 DSM
Entries 6.65075e+07
QT8(3) sum
QT board

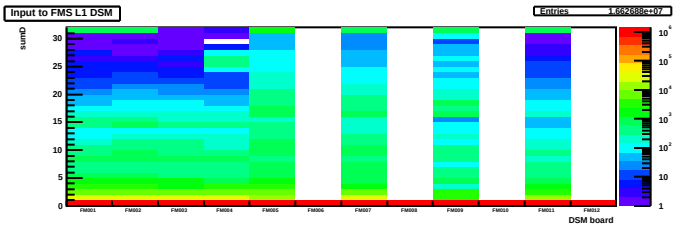

Input to FMS L0 DSM
Entries 1344811
QT8(3) sum - simulated
QT board

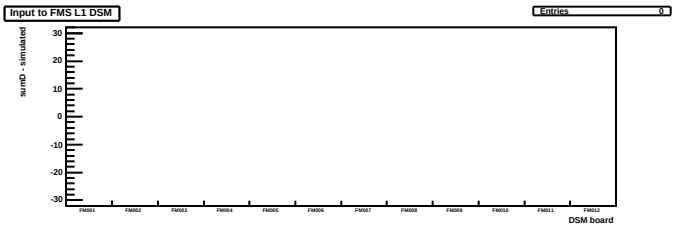

Input to FMS L0 DSM
Entries 6.65075e+07
HT ADC
QT board

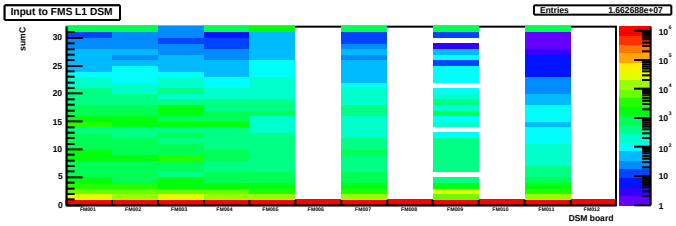

Input to FMS L0 DSM
Entries 134290
HT ADC - simulated
QT board

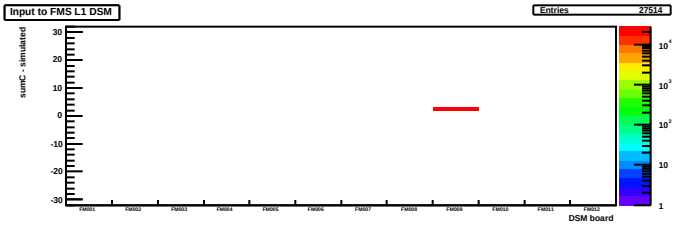

Input to FMS L0 DSM
Entries 6.65075e+07
HT ID
QT board

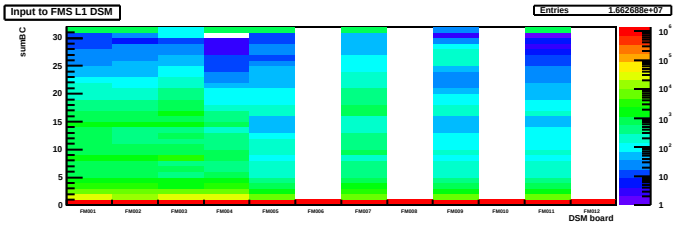

Input to FMS L0 DSM
Entries 1528555
HT ID - simulated
QT board

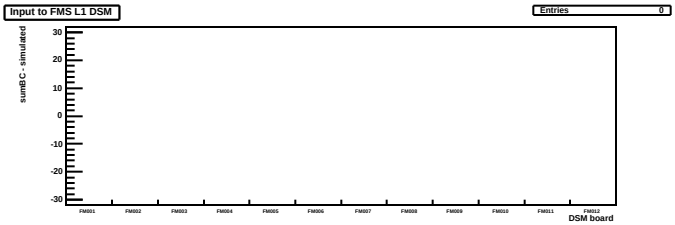

Input to FMS L1 DSM
Entries 1.662688e+07
sumD
DSM board

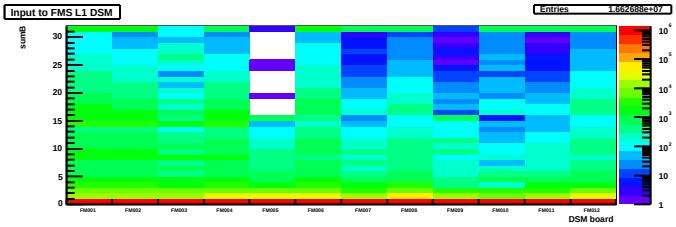

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

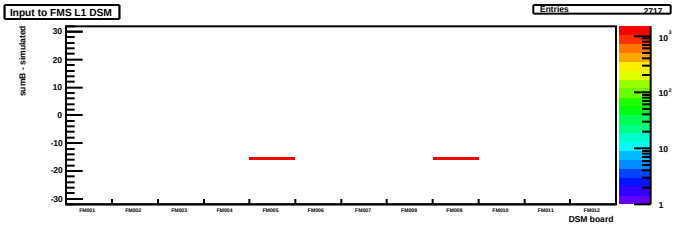

Input to FMS L1 DSM
Entries 1.662688e+07
sumC
DSM board

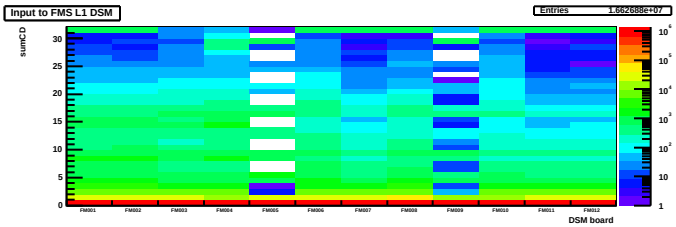

Input to FMS L1 DSM
Entries 27514
sumC - simulated
DSM board

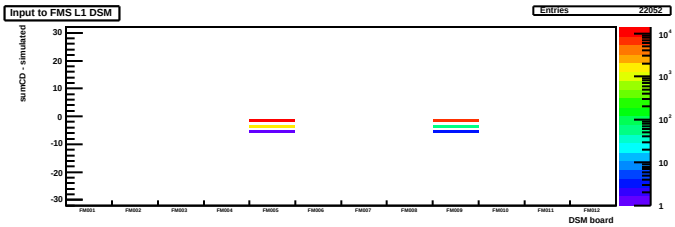

Input to FMS L1 DSM
Entries 1.662688e+07
sumBC
DSM board

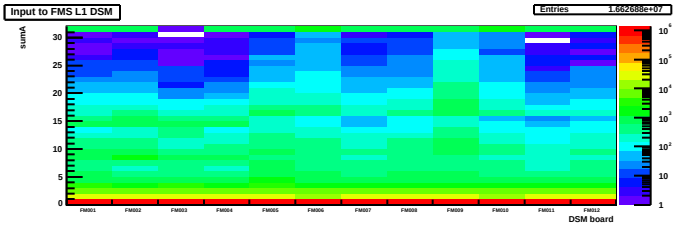

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

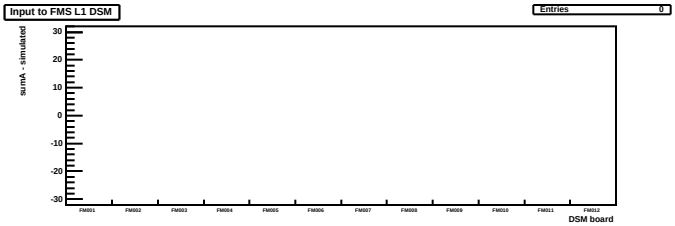

Input to FMS L1 DSM
Entries 1.662688e+07
sumB
DSM board

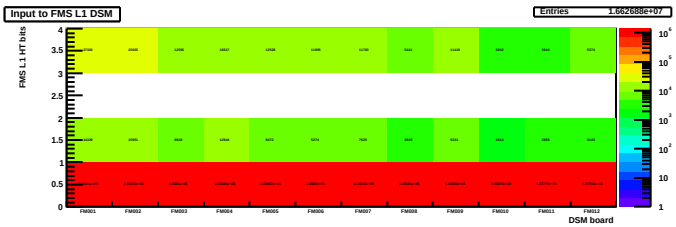

Input to FMS L1 DSM
Entries 2217
sumB - simulated
DSM board

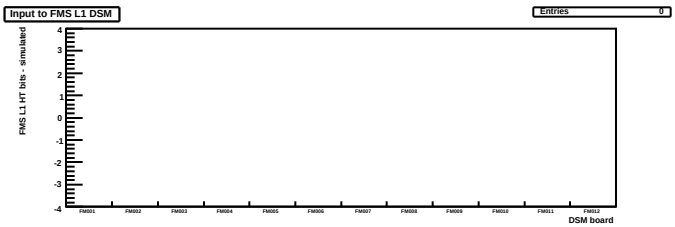

Input to FMS L1 DSM
Entries 1.662688e+07
sumCD
DSM board

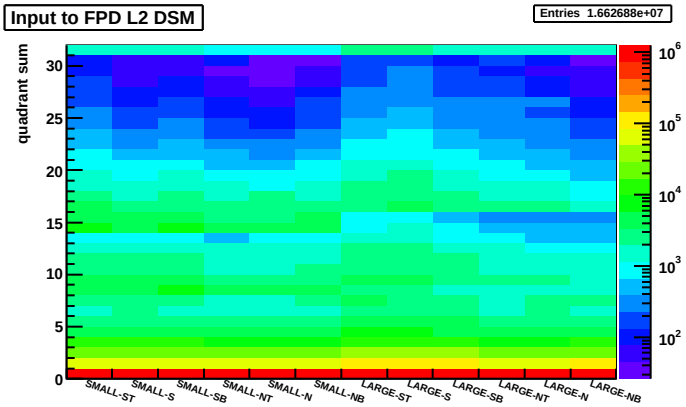

Input to FMS L1 DSM
Entries 22052
sumCD - simulated
DSM board

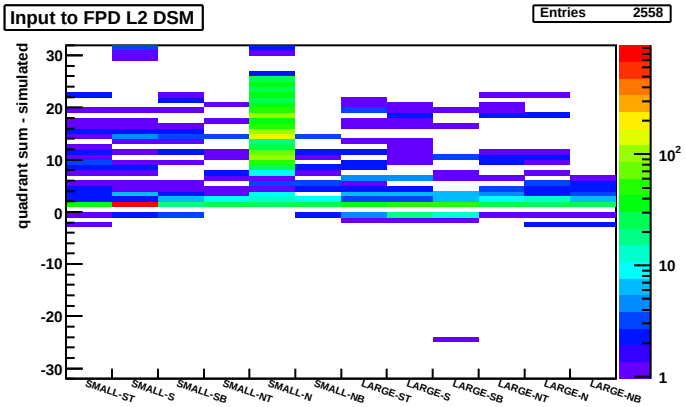

Input to FMS L1 DSM
Entries 1.662688e+07
sumA
DSM board

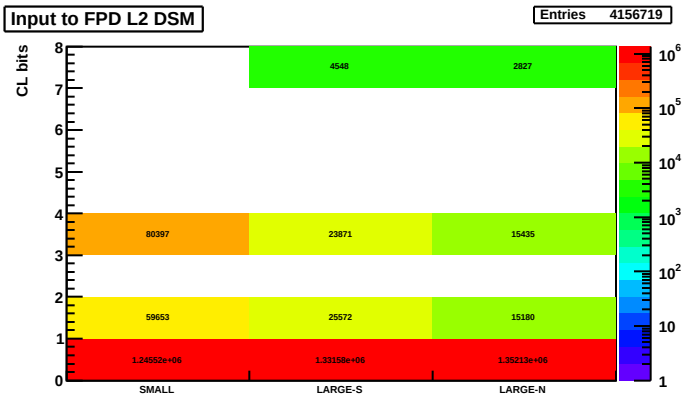

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

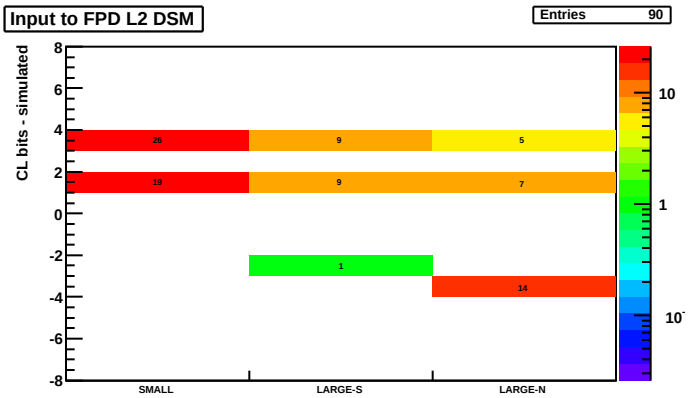

Input to FMS L1 DSM
Entries 1.662688e+07
FMS L1 HT bits
DSM board

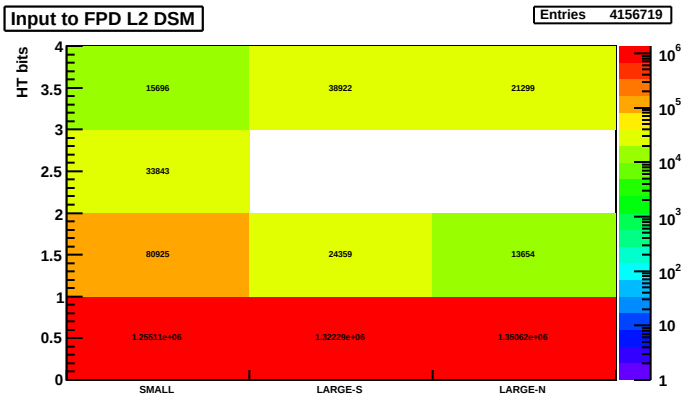

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

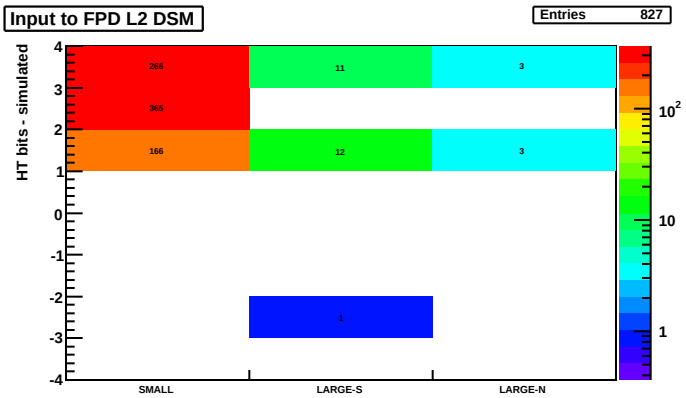

Input to FPD L2 DSM
Entries 1.662688e+07
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

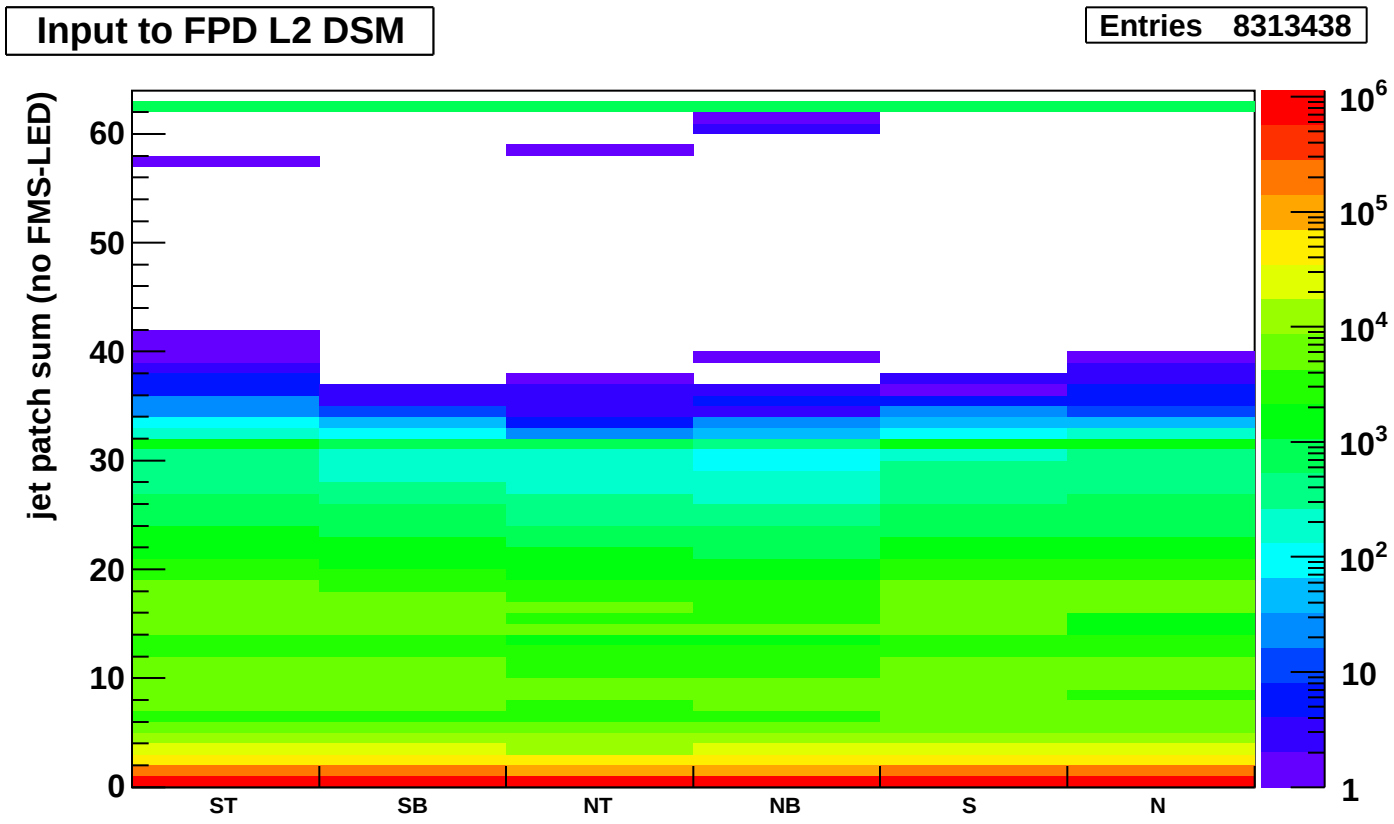

Input to FPD L2 DSM
Entries 2558
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

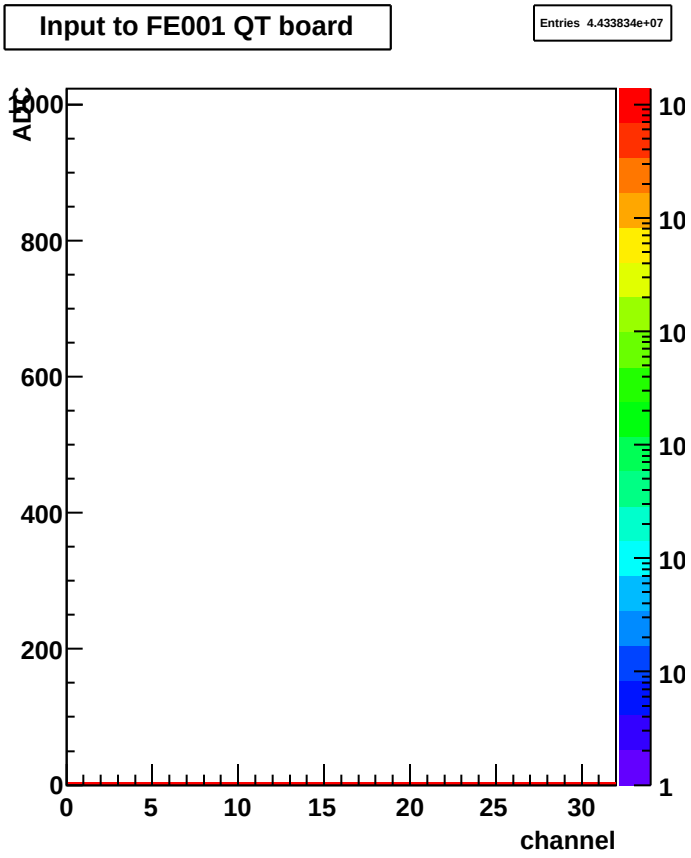

Input to FPD L2 DSM
Entries 4156719
CL bits
4548
2827
80397
23871
15435
59653
25572
15180
1.24552e+06
1.33158e+06
1.35213e+06
SMALL
LARGE-S
LARGE-N

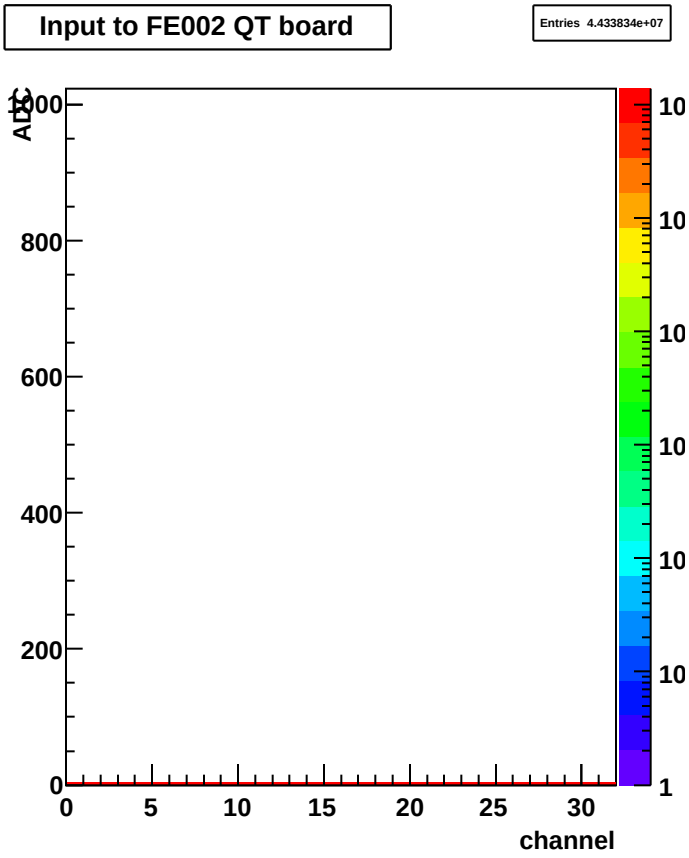

Input to FPD L2 DSM
Entries 90
CL bits - simulated
26
9
5
19
9
7
1
14
SMALL
LARGE-S
LARGE-N

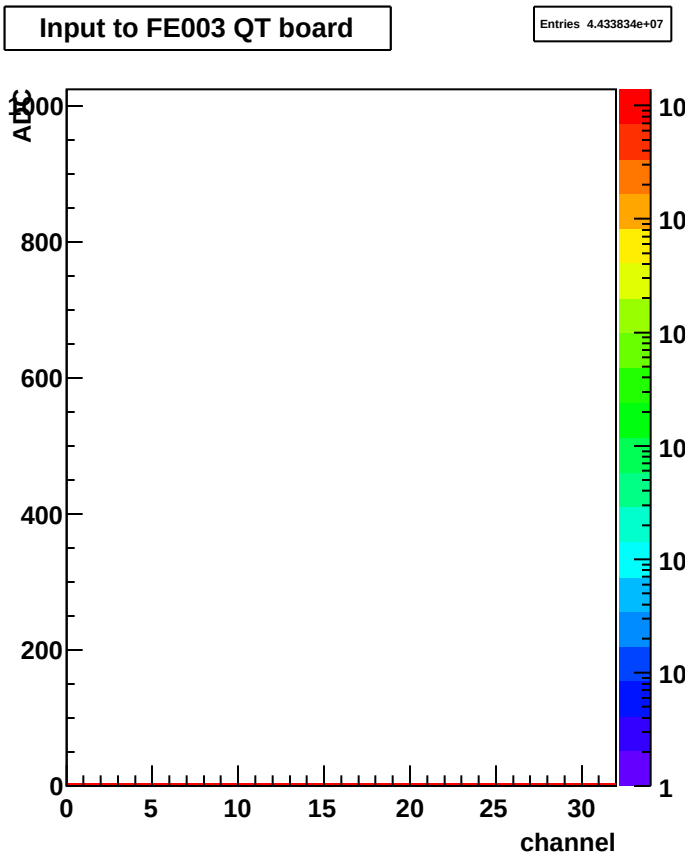

Input to FPD L2 DSM
Entries 4156719
HT bits
15696
38922
21299
33843
80925
24359
13654
1.25511e+06
1.32229e+06
1.35062e+06
SMALL
LARGE-S
LARGE-N

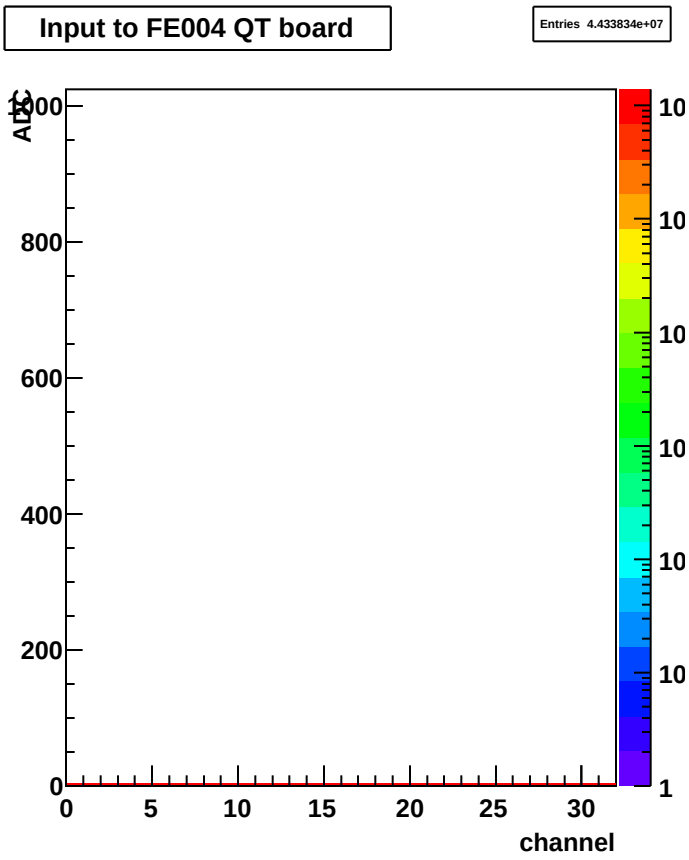

Input to FPD L2 DSM
Entries 827
HT bits - simulated
266
11
3
365
166
12
3
1
SMALL
LARGE-S
LARGE-N

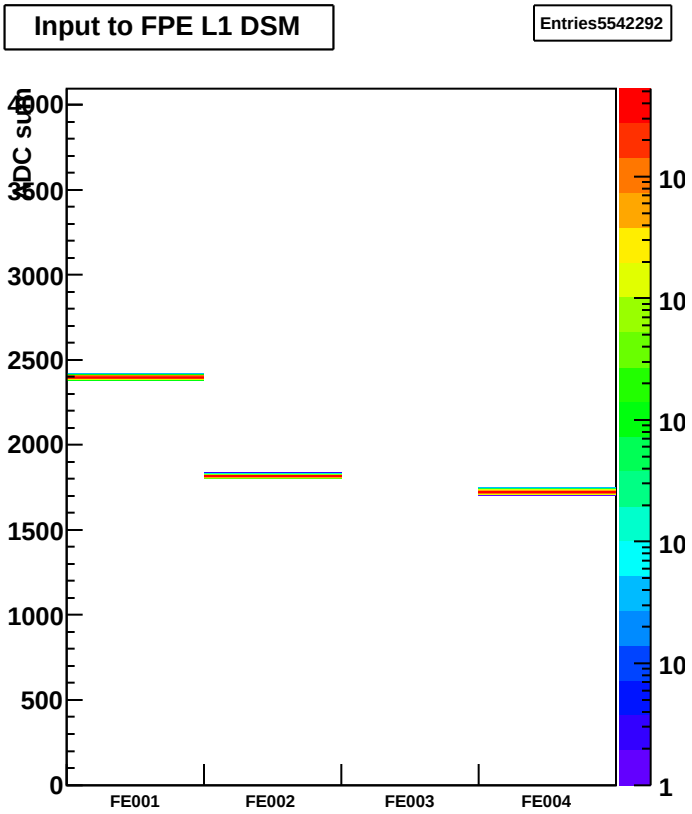

Input to FPD L2 DSM
Entries 8313438
jet patch sum (no FMS-LED)
0
10
20
30
40
50
60
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4
10^5
10^6

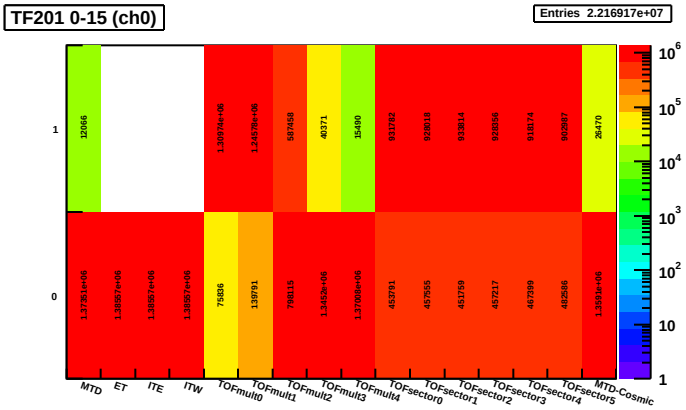

Input to FE001 QT board
Entries 4.433834e+07
ADC
channel

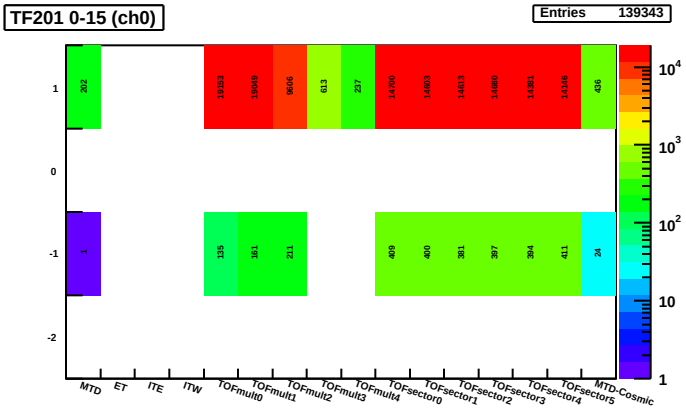

Input to FE002 QT board
Entries 4.433834e+07
ADC
channel

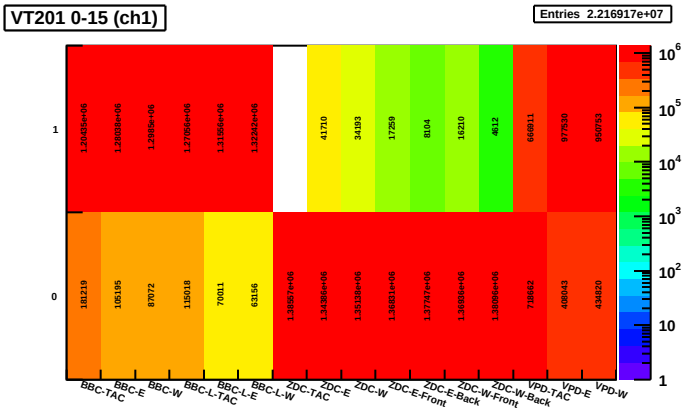

Input to FE003 QT board
Entries 4.433834e+07
ADC
channel


Input to FE004 QT board
Entries 4.433834e+07
ADC
channel


Input to FPE L1 DSM
Entries5542292
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1


TF201 0-15 (ch0)
Entries 2.216917e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


TF201 0-15 (ch0)
Entries 139343
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic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Entries 2.216917e+07
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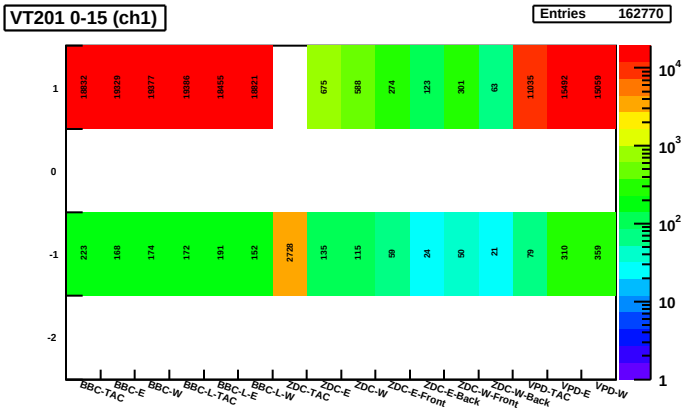
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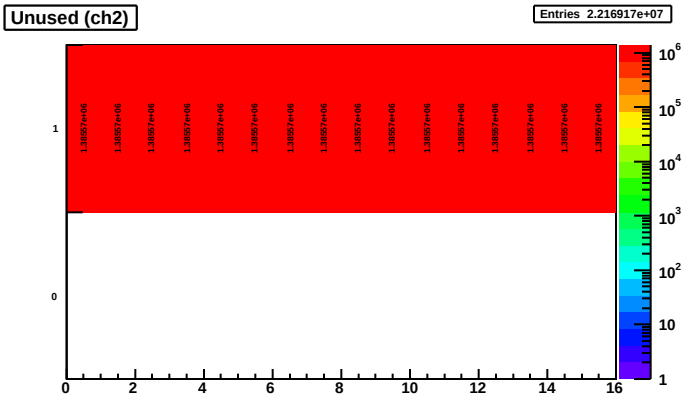
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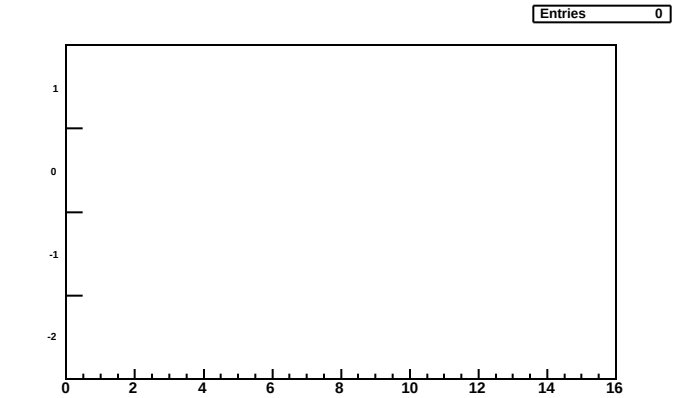
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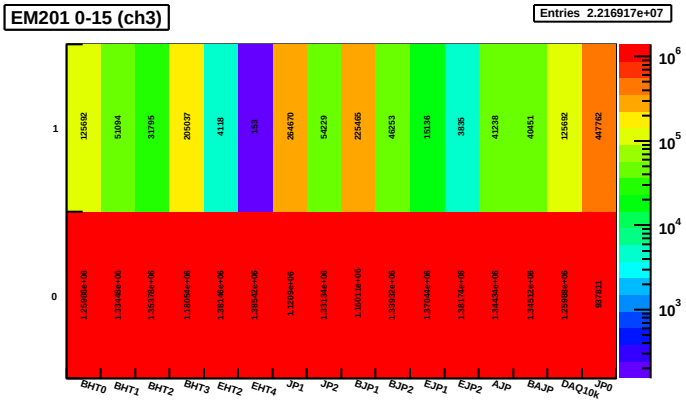
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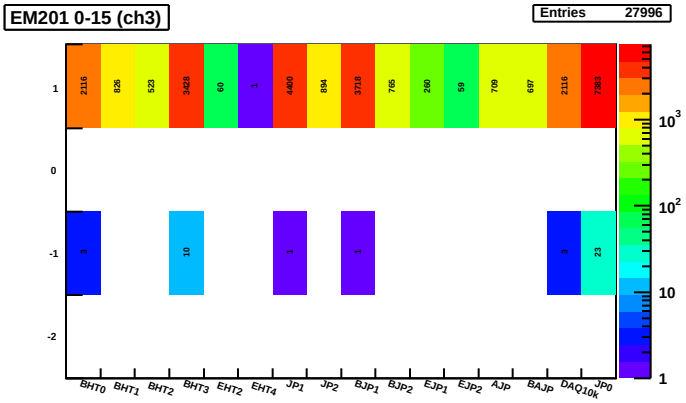
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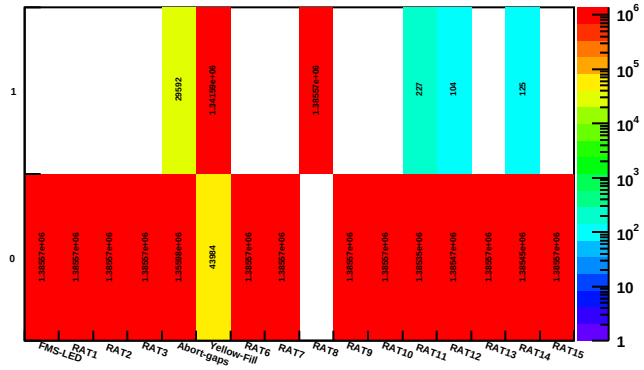
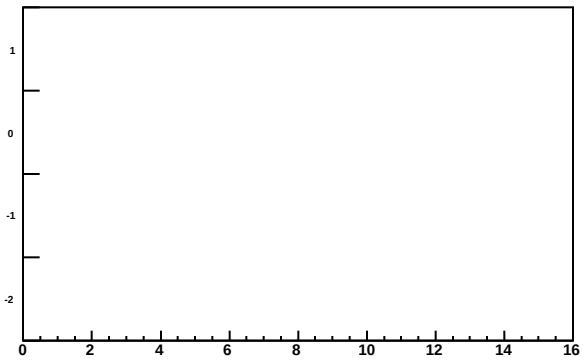
RAT board (ch4)





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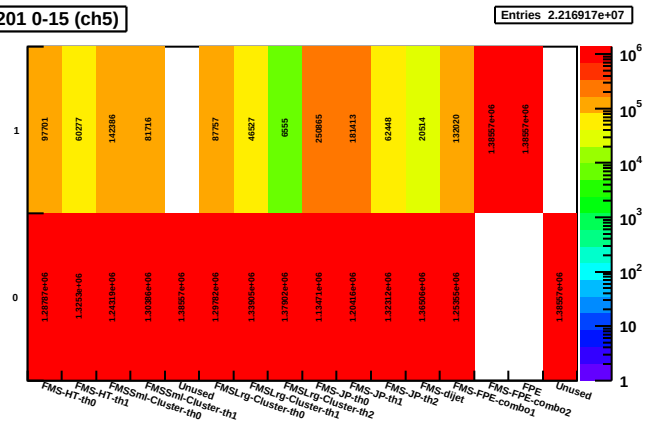

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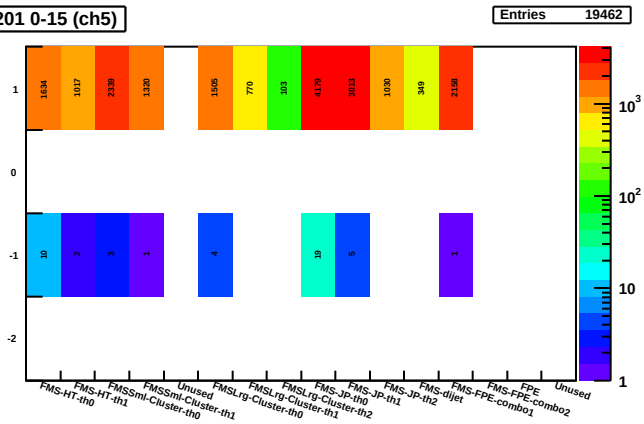
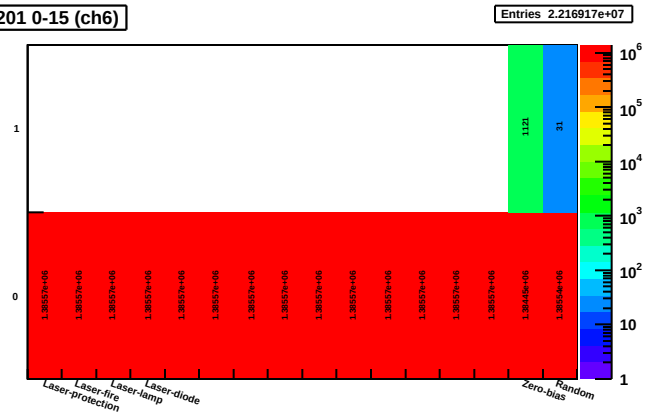
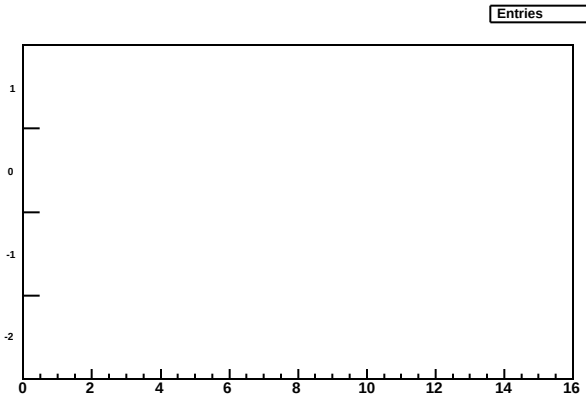
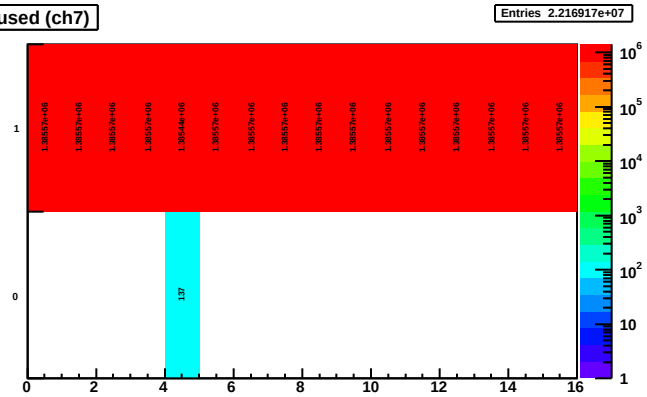
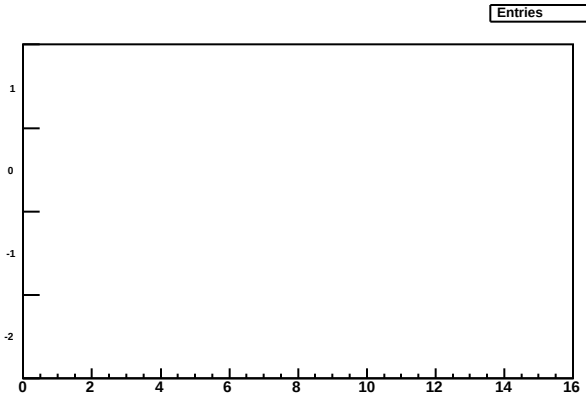


ST201 0-15 (ch6)





Unused (ch7)