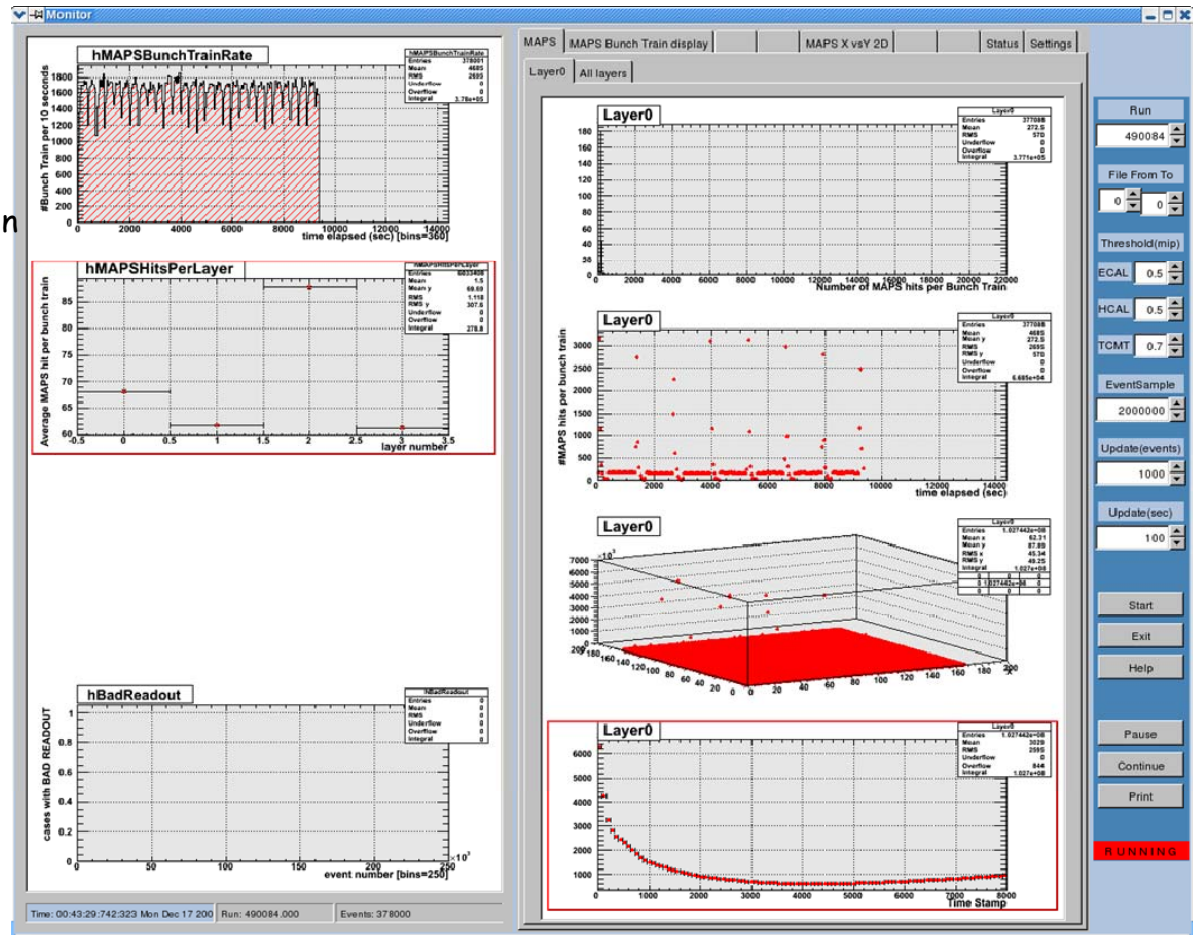
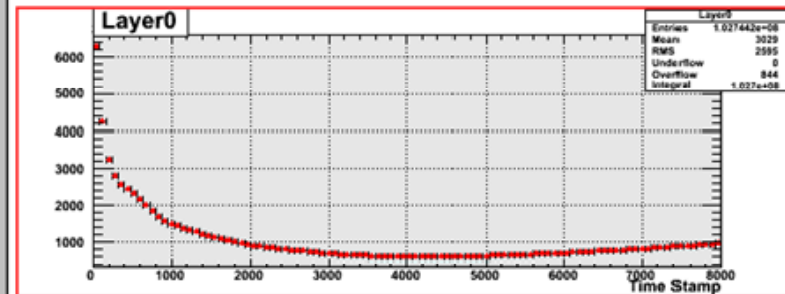
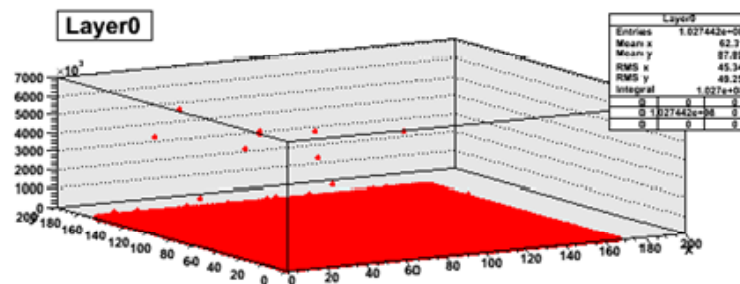
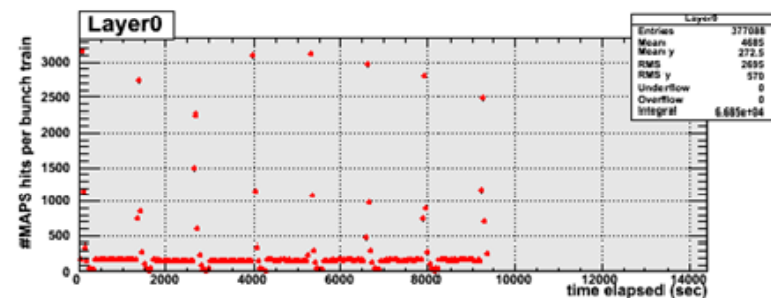
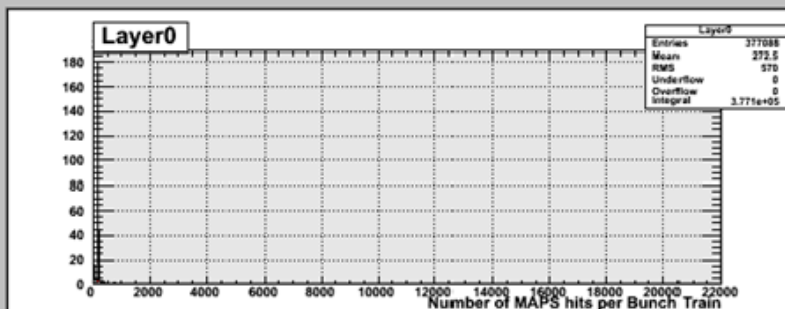
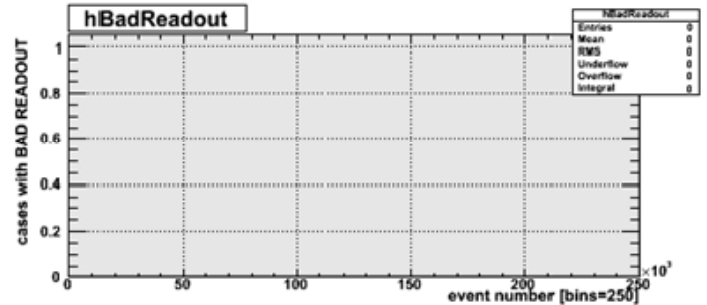
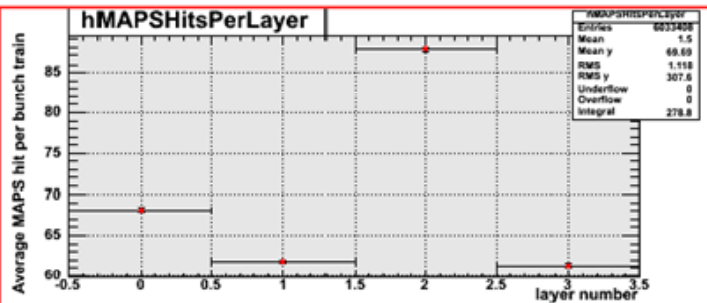
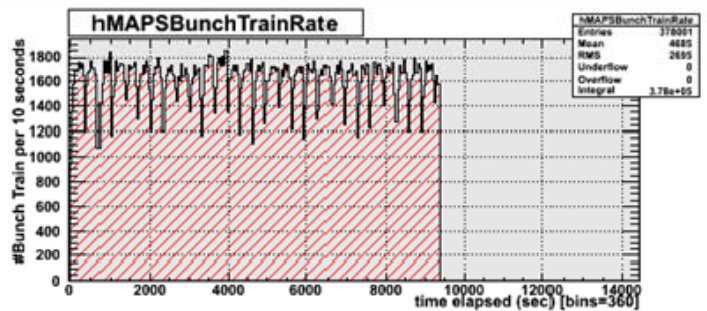


# TPAC (near-) online monitoring

- Adapted from CALICE testbeam code (originally by George Mavromanolakis - Cambridge/FNAL)
- Displays integrated results over entire run and snapshot per bunchtrain
- Now compiles again
- Will bring to RAL on Thursday for MAPS meeting





Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.5

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

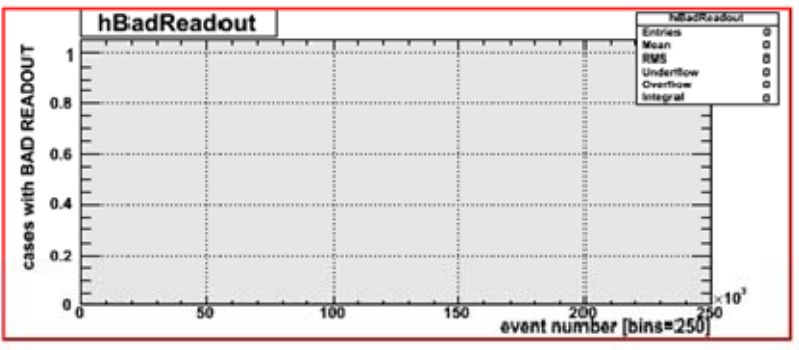
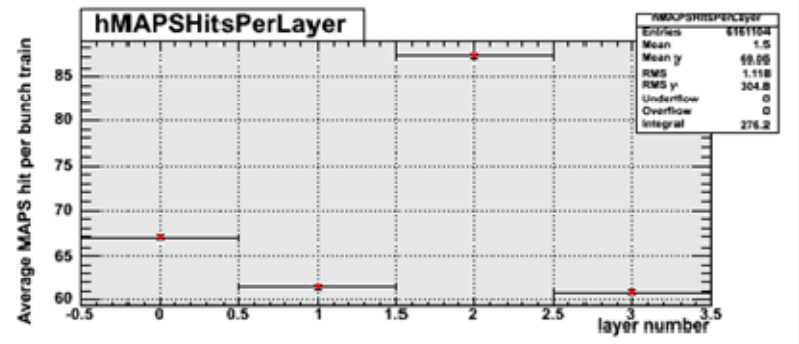
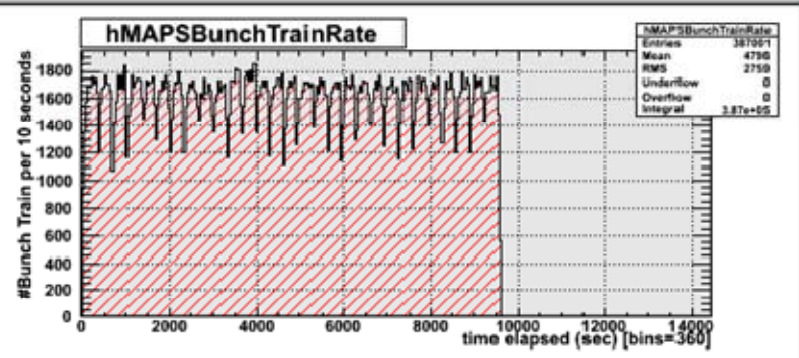
Help

Pause

Continue

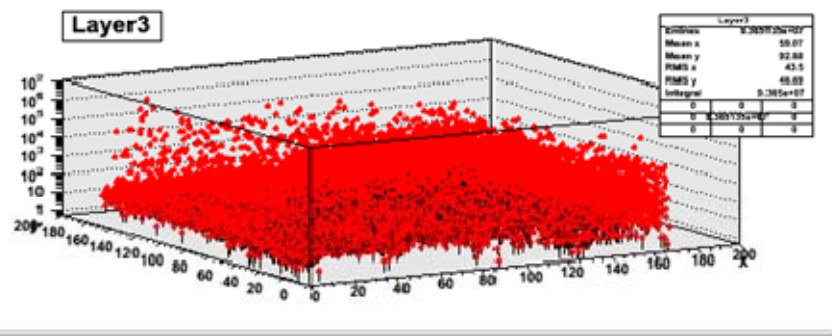
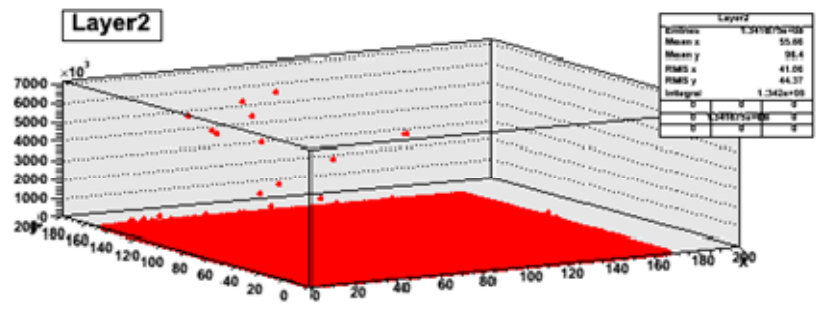
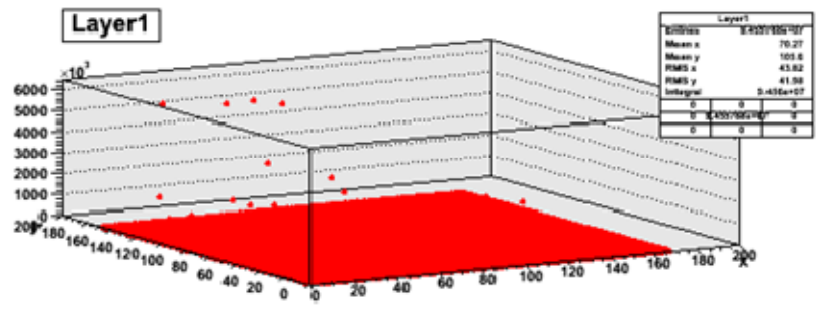
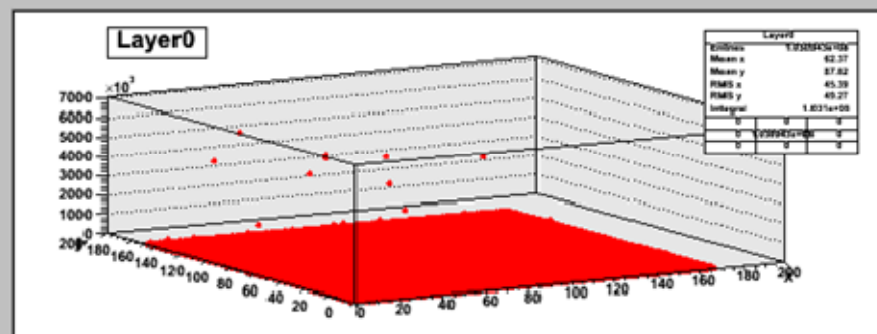
Print

RUNNING



Layer0 All layers

X vs Y 3D MAPS Time Stamp



Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.5

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

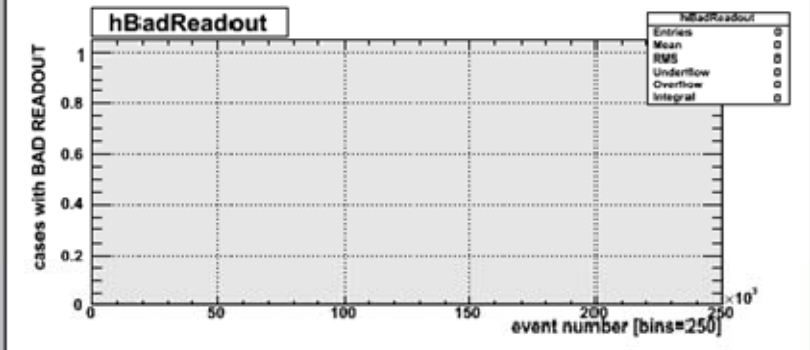
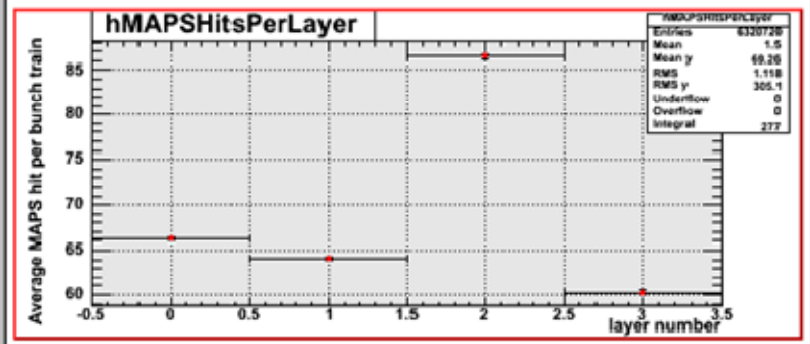
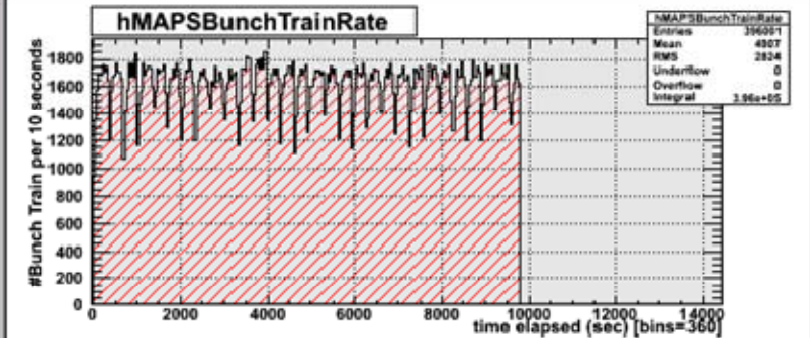
Help

Pause

Continue

Print

**RUNNING**



MAPS
MAPS Bunch Train display
MAPS X vs Y 2D
Status
Settings

Layer0 All layers

X vs Y 3D MAPS Time Stamp

Layer0	
Entries	1.017805e+06
Mean	3036
RMS	2553
Underflow	0
Overflow	846
Integral	1.047e+05

Layer1	
Entries	1.012805e+06
Mean	3553
RMS	2552
Underflow	0
Overflow	282
Integral	1.013e+05

Layer2	
Entries	1.360505e+06
Mean	2414
RMS	2545
Underflow	0
Overflow	528
Integral	1.366e+05

Layer3	
Entries	8.518205e+07
Mean	2650
RMS	2414
Underflow	0
Overflow	4219
Integral	8.518e+07

Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.5

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

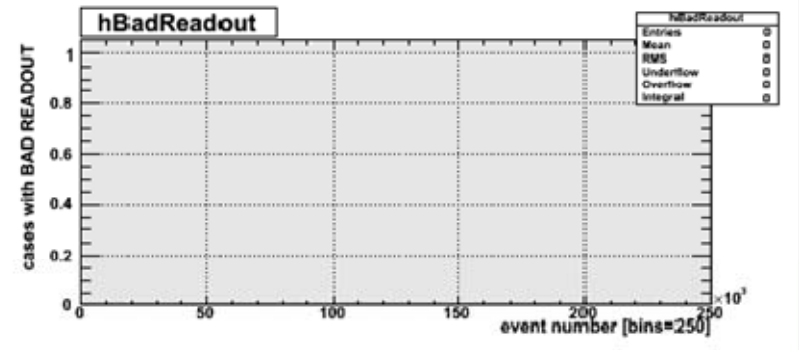
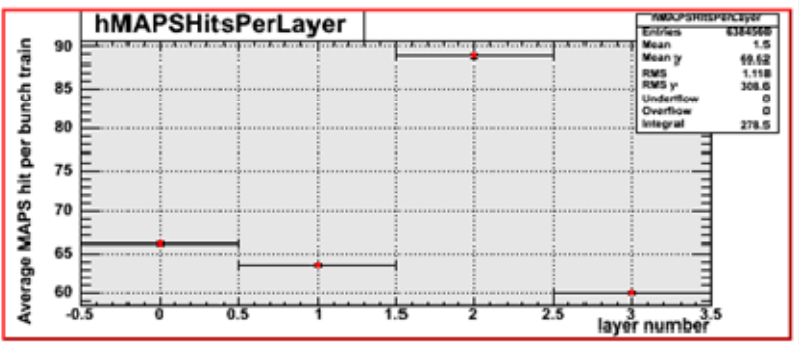
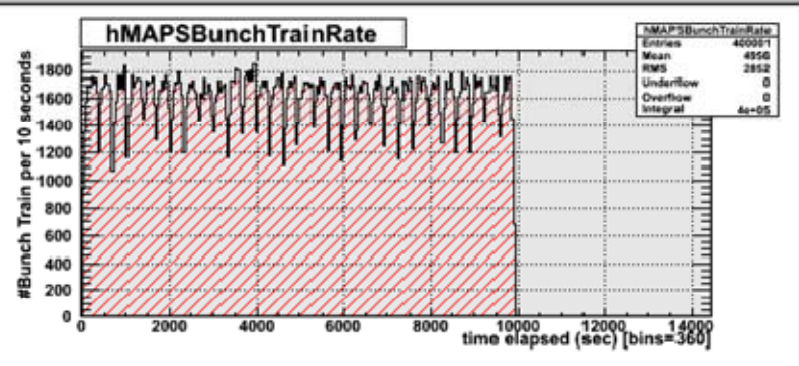
Help

Pause

Continue

Print

RUNNING



MAPS
MAPS Bunch Train display
MAPS X vsY 2D
Status
Settings

MAPS Bunch Train display

**Layer0**

Layer0		
Entries	180	
Mean x	96.71	
Mean y	83.32	
RMS x	40.25	
RMS y	49.2	
Integral	180	
0	0	0
0	180	0
0	0	0

**Layer1**

Layer1		
Entries	153	
Mean x	60.69	
Mean y	116	
RMS x	37.8	
RMS y	33.56	
Integral	153	
0	0	0
0	153	0
0	0	0

**Layer2**

Layer2		
Entries	2286	
Mean x	61.26	
Mean y	91.96	
RMS x	42.72	
RMS y	48.13	
Integral	2286	
0	0	0
0	2286	0
0	0	0

**Layer3**

Layer3		
Entries	158	
Mean x	55.66	
Mean y	96.11	
RMS x	41.43	
RMS y	46.87	
Integral	158	
0	0	0
0	158	0
0	0	0

Time: 00:52:54.379:940 Mon Dec 17 200    Run: 490084.000    Events: 400630

Run

490084

File From To

0    0

Threshold(mip)

ECAL 0.5

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

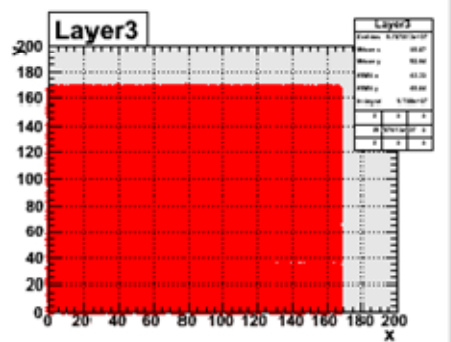
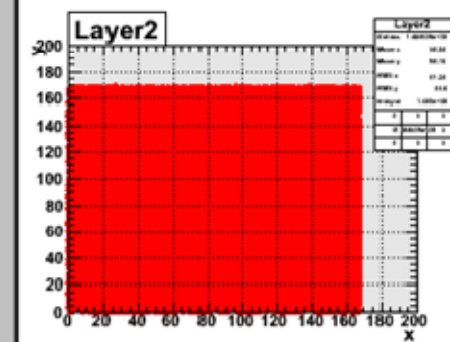
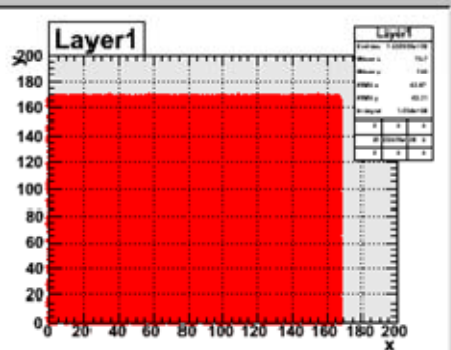
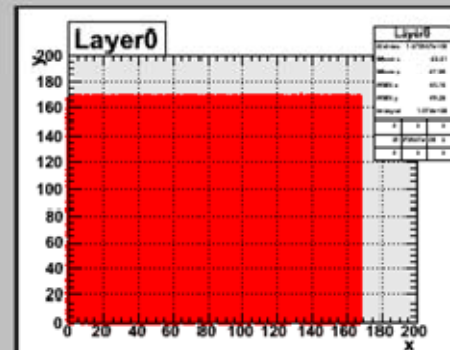
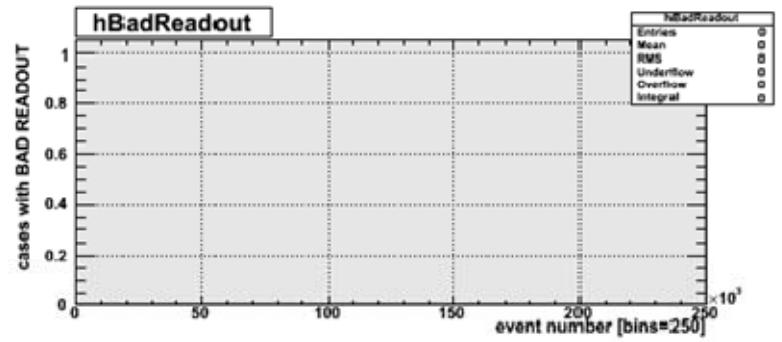
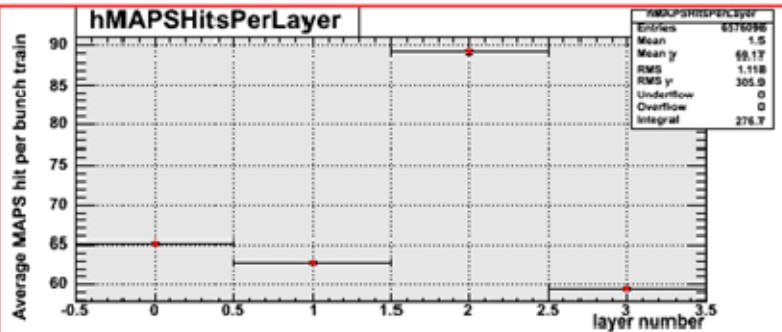
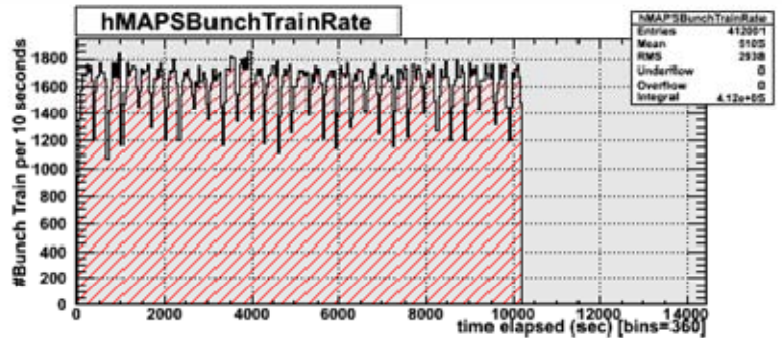
Help

Pause

Continue

Print

RUNNING



Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.5

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

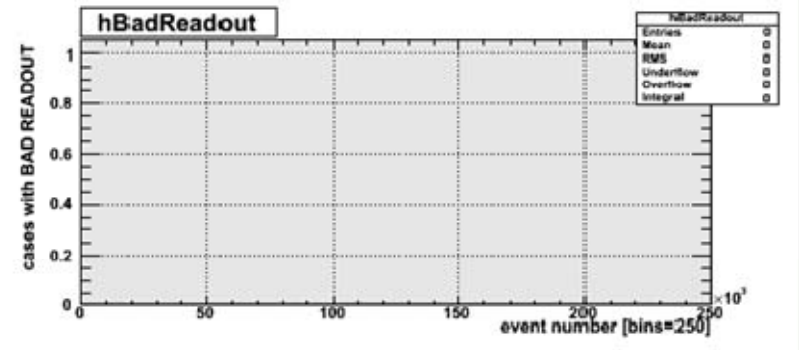
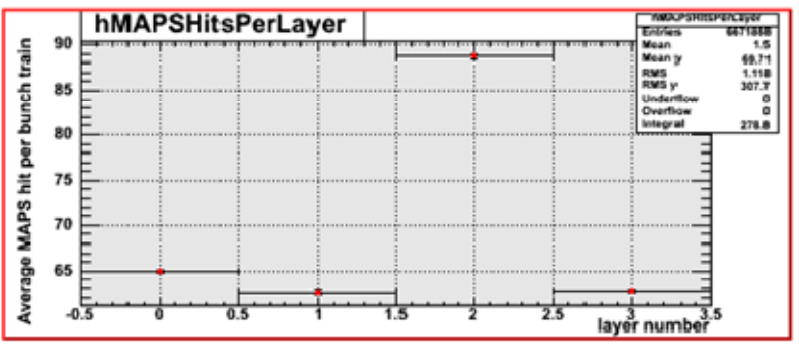
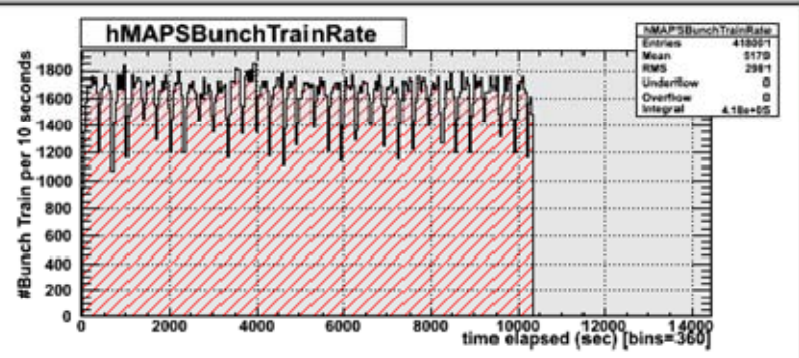
Help

Pause

Continue

Print

**RUNNING**



MAPS
MAPS Bunch Train display
MAPS X vsY 2D
Status
Settings

**Events processed**

Total: 418620

**Ecal counters**

Total: 418620

Pedestals: 0

Leds: 0

Triggers: 418620

BadReadout: 0

**Hcal counters**

Total: value

Pedestals: value

Leds: value

Triggers: value

BadReadout: value

**Tdc counters**

Total: value

No Tdc: value

TdcOverflow: value

Bad Track: value

**TCMT counters**

Total: value

Pedestals: value

Leds: value

Triggers: value

BadReadout: value

Run

490084

File From To

0 0

Threshold(mip)

ECAL: 0.5

HCAL: 0.5

TCMT: 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

Help

Pause

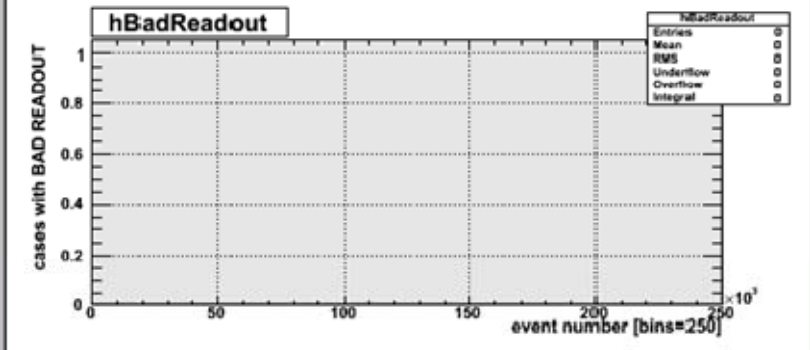
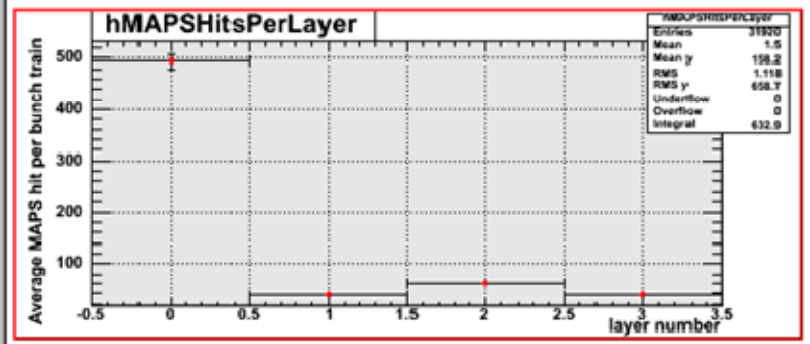
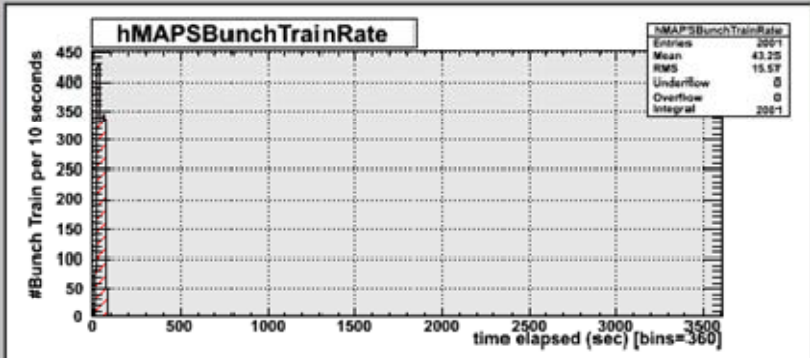
Continue

Print

RUNNING







Layer0 | All layers

**Layer0**

Entries	1995
Mean	43.25
Mean y	1974
RMS	15.57
RMS y	1822
Underflow	0
Overflow	0
Integral	1995

**Layer0**

Entries	1995
Mean	43.25
Mean y	1974
RMS	15.51
RMS y	1822
Underflow	0
Overflow	0
Integral	1.493e+04

**Layer0**

Entries	3938982
Mean x	67.19
Mean y	91.14
RMS x	49.08
RMS y	48.21
Integral	3.939e+06

**Layer0**

Entries	3938982
Mean	2911
RMS	2711
Underflow	0
Overflow	25
Integral	3.939e+06

Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.0

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

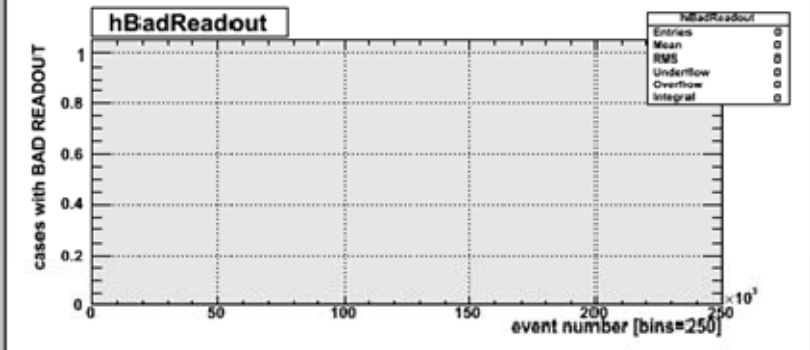
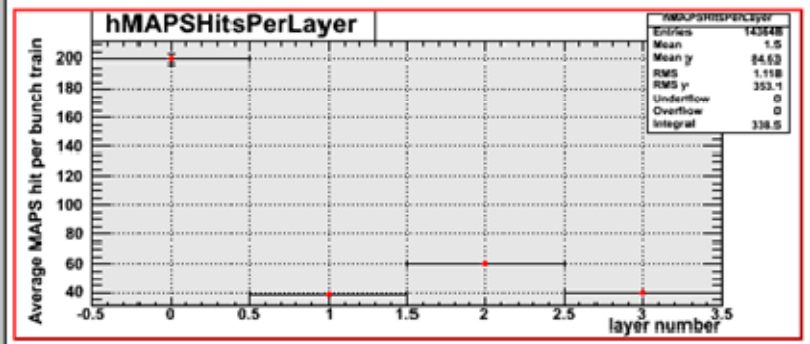
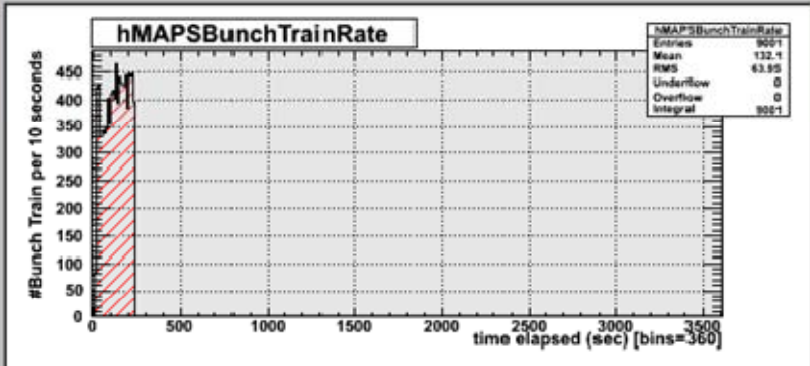
Help

Pause

Continue

Print

**RUNNING**



Layer0 | All layers

Layer0	
Entries	8978
Mean	800.9
RMS	1165
Underflow	0
Overflow	0
Integral	8978

Layer0	
Entries	8978
Mean	132.1
Mean y	800.9
RMS	63.95
RMS y	1165
Underflow	0
Overflow	0
Integral	2.095e+04

Layer0	
Entries	7190490
Mean x	69.01
Mean y	90.89
RMS x	48.98
RMS y	48.98
Integral	7.19e+06

Layer0	
Entries	7190490
Mean	3115
RMS	2704
Underflow	0
Overflow	76
Integral	7.19e+06

Run

490084

File From To

0 0

Threshold(mip)

ECAL 0.0

HCAL 0.5

TCMT 0.7

EventSample

2000000

Update(events)

1000

Update(sec)

100

Start

Exit

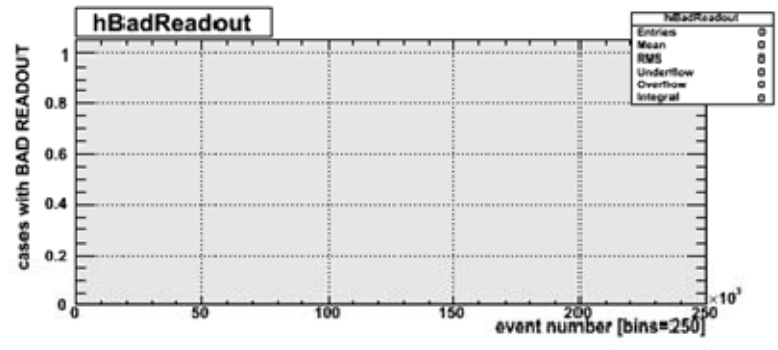
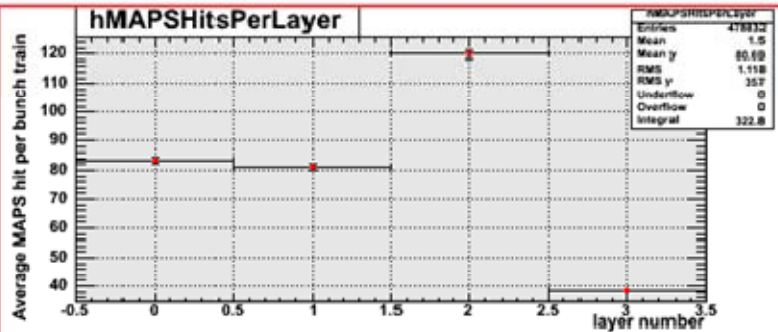
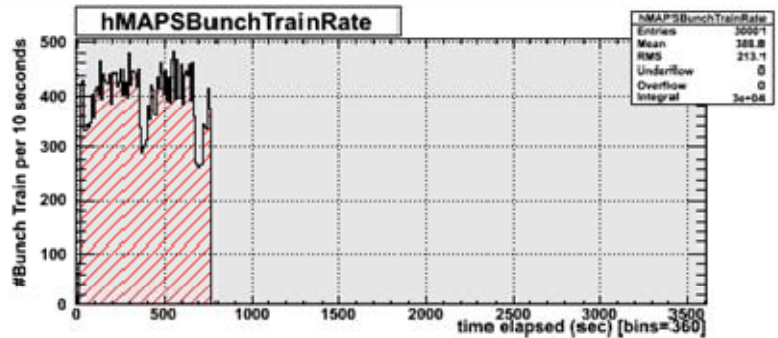
Help

Pause

Continue

Print

**RUNNING**



Run 490084:0 Event 30460 Time: 22:20:32:806:435 Sun Dec 16 2007 Hits: 9720 Energy: -6.58118e+06 mips

Show Pause Print

Run 490084

File From To 0 0

Threshold(mip)

ECAL 0.0

HCAL 0.5

TCMT 0.7

EventSample 2000000

Update(events) 1000

Update(sec) 100

Start Exit Help Pause Continue Print

**RUNNING**

