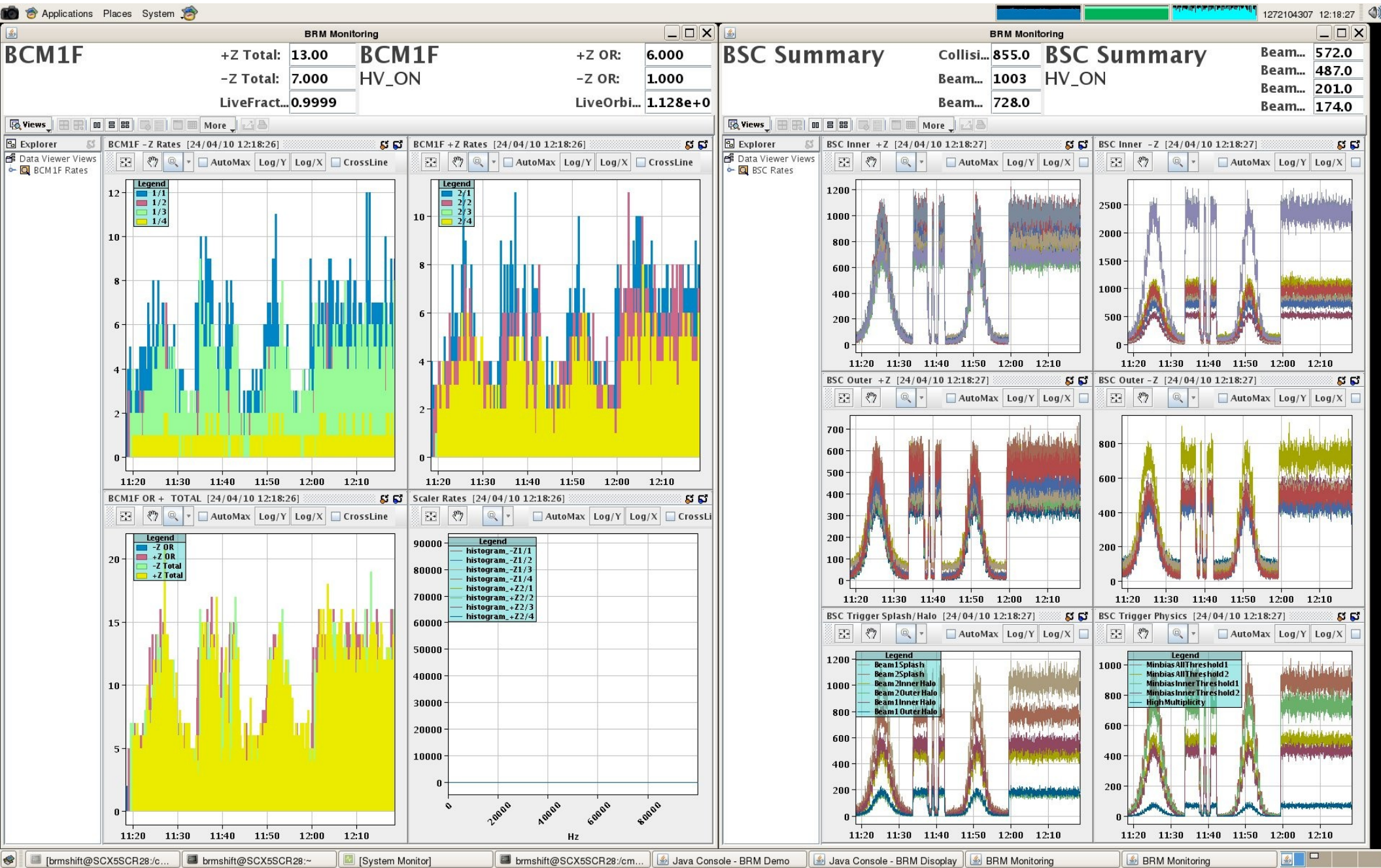# FCAL/CMS 2010-05-10
Status at CERN

Events at CERN

- New displays: Lumi, LHC Bunches (Structure)

- Weekend 24th/25th April: longest LHC fill with stable beams ever, about 30 h

- Lumi scan at P5

- Sun, 2nd May: BPTX features vs. ghost bunches

- Sun, 9th May: CMS publ. instant. lumi. wrong

- Many runs testing all possible things...
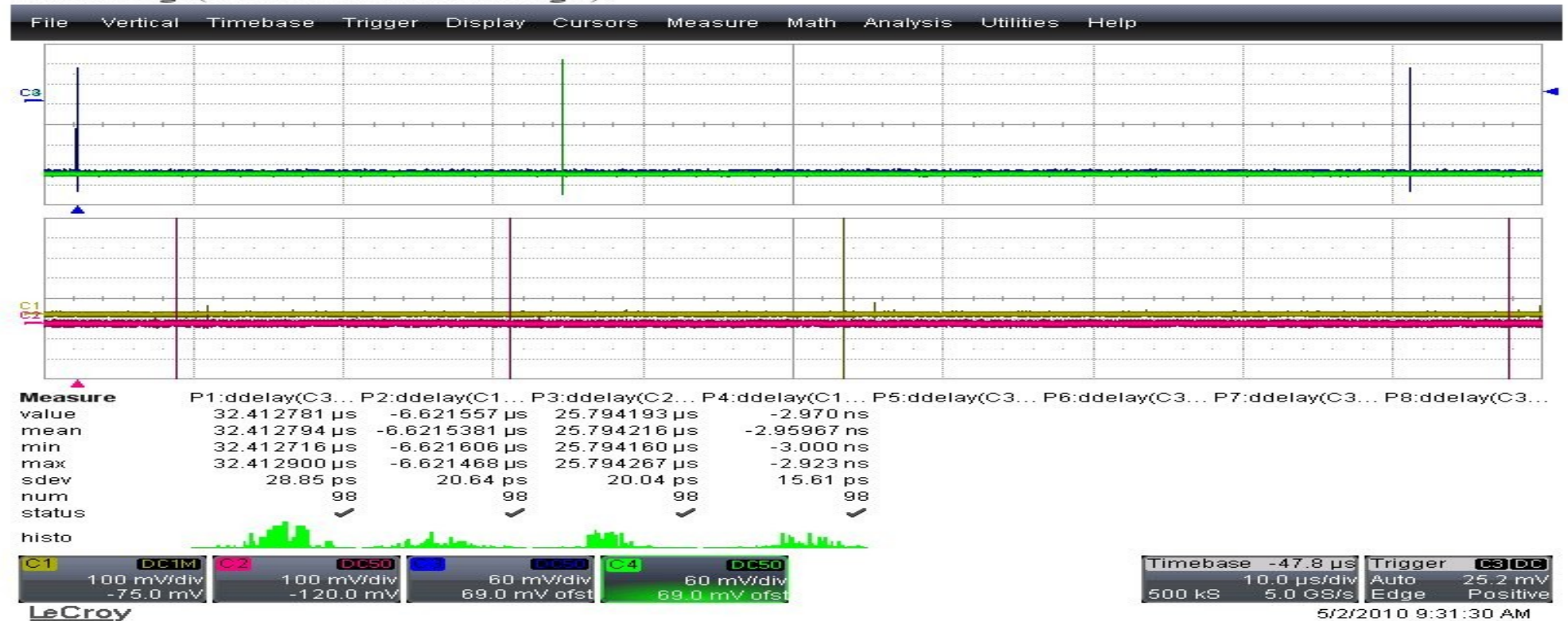
Lumi Scan – BCM1F & BSC

Ghosts – BPTX

Ghosts – BCM1F TDC

Ghosts – BCM1F ADC

Window: 2800ns,   Post trigger setting: 80ns,   Position of expected bunch: ~2500ns

ADC Trigger: BPTX OR
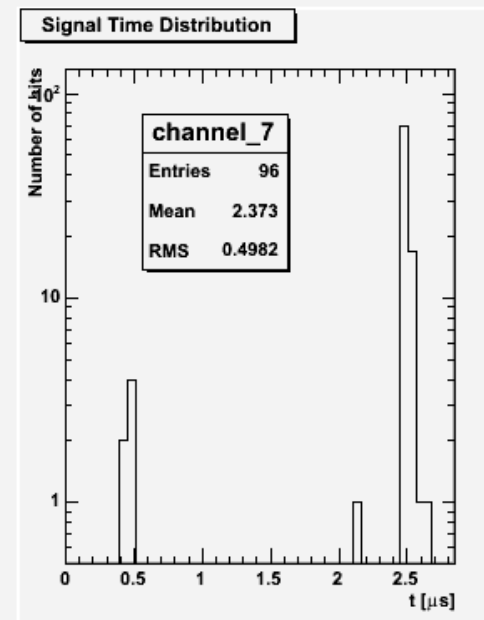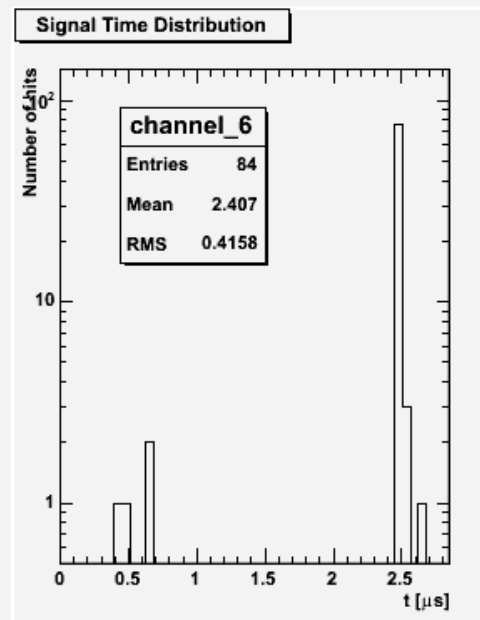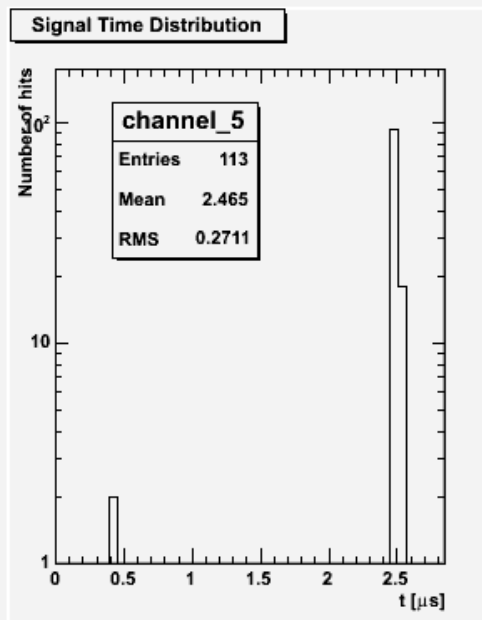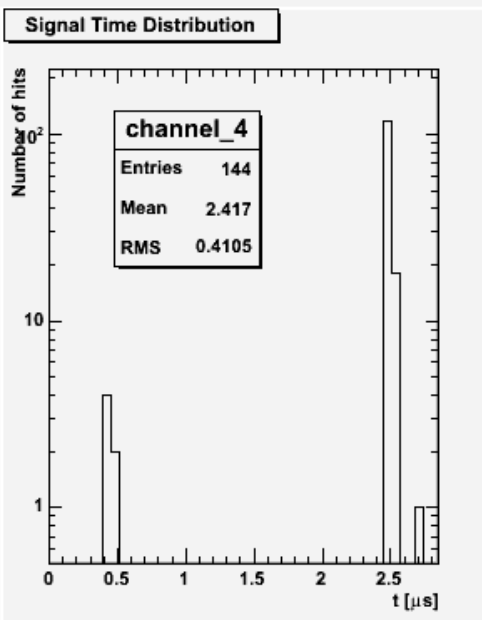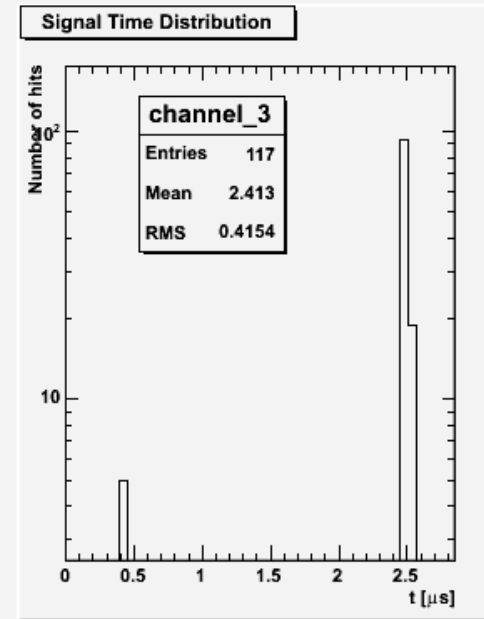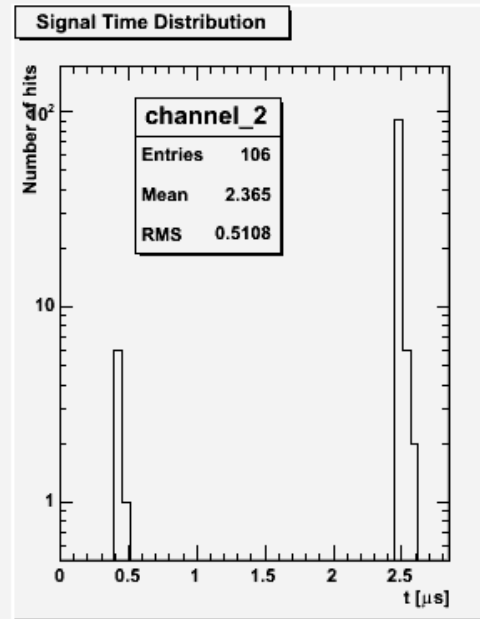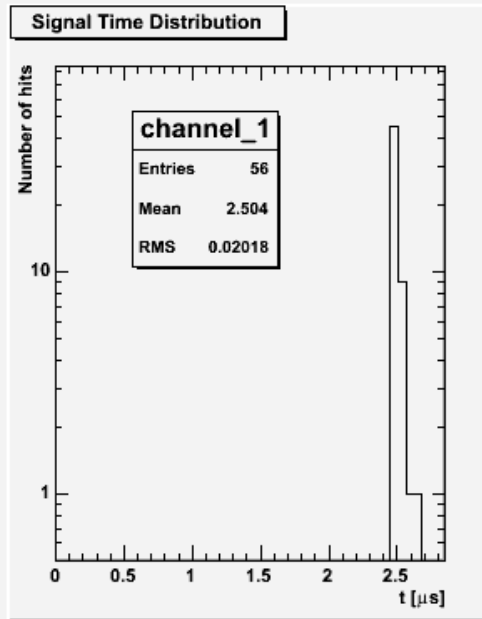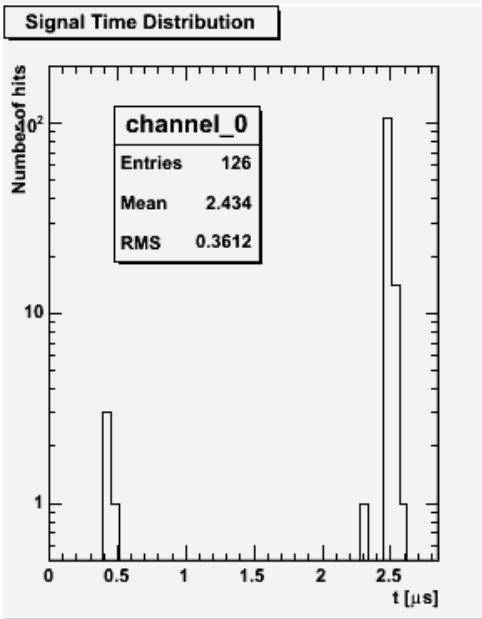
No Evidence
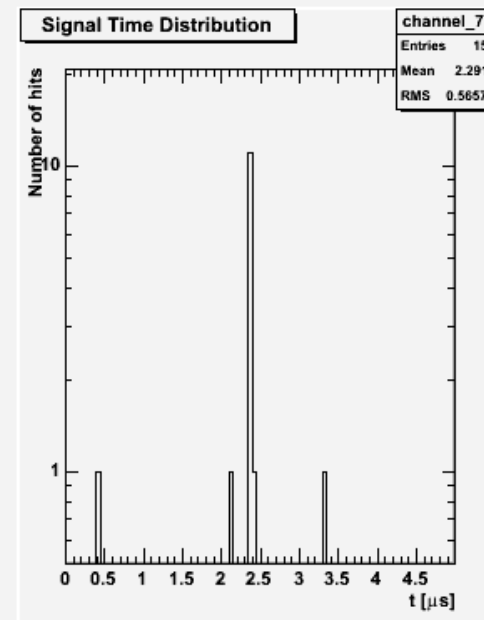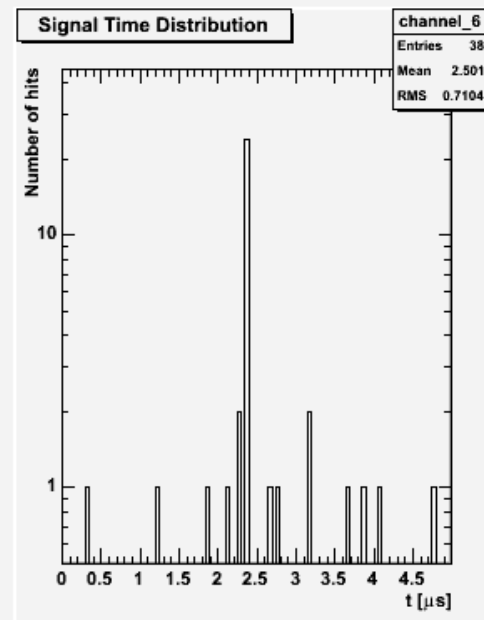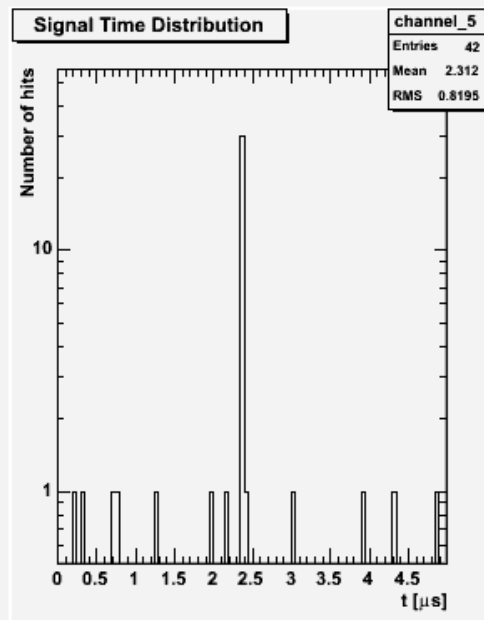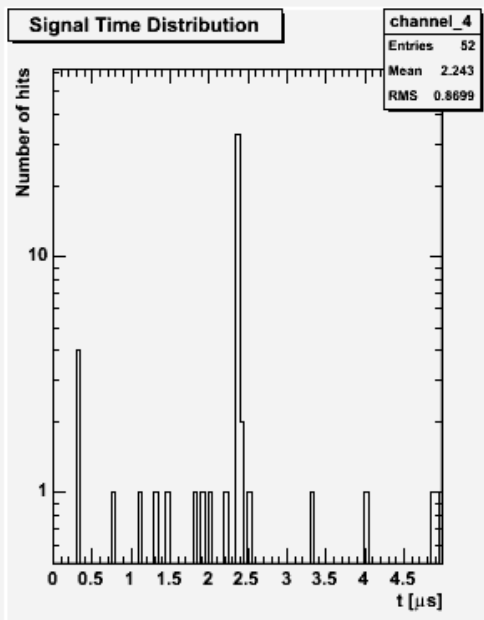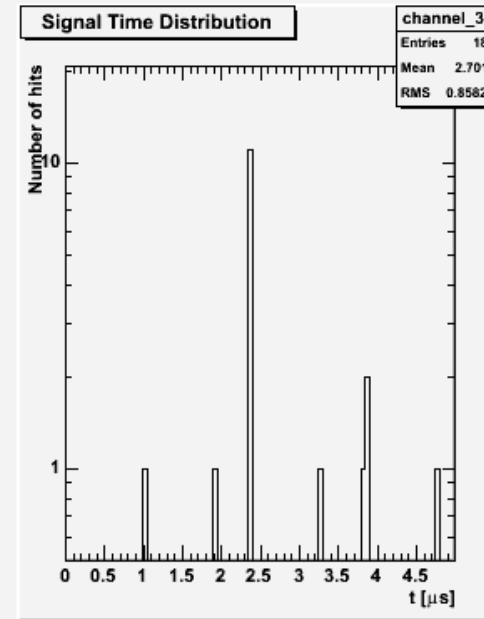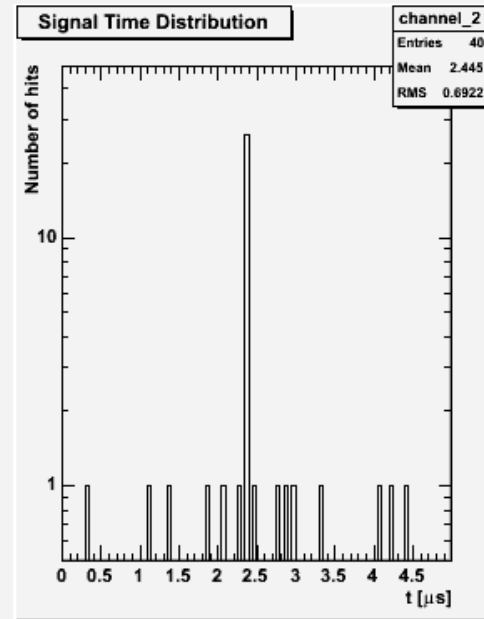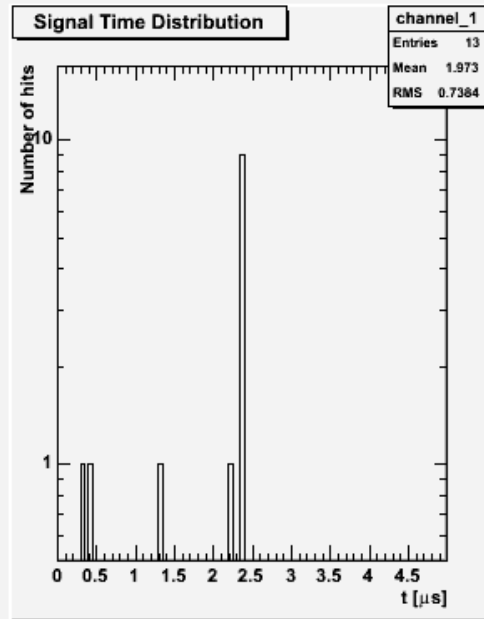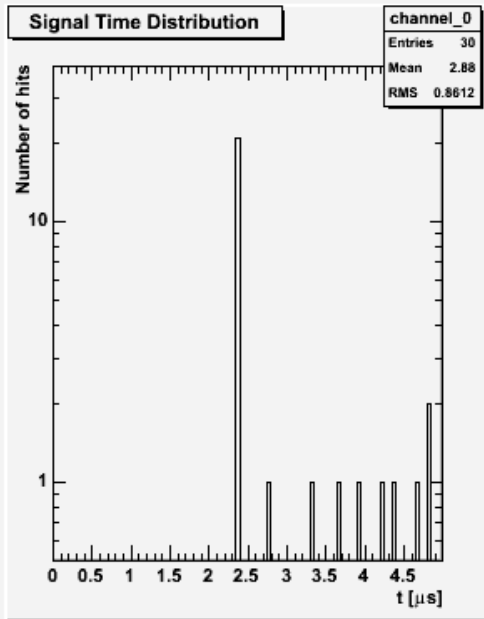
CMS Published Instantaneous Lumi

09-May-2010 10:08:47	Fill #: 1089	Energy: 3500.3 GeV	I(B1): 3.82e+10	I(B2): 4.44e+10

	ATLAS	ALICE	CMS	LHCb
Experiment Status	PHYSICS	PHYSICS	PHYSICS	PHYSICS
Instantaneous Luminosity	1.516e-02	1.257e-02	4.319e-02	1.288e-02
BRAN Count Rate	2.200e+02	1.120e+02	4.470e+02	2.790e+02
BKGD 1	0.012	0.016	0.046	0.141
BKGD 2	0.000	26.520	6.662	1.313
BKGD 3	0.000	0.005	0.003	0.045

LHCf	PHYSICS	Count(Hz): 8.800	LHCb VELO Position	IN	Gap: 0.0 mm	TOTEM:	STANDBY

Performance over the last 12 Hrs

—— I(B1) —— I(B2) —— Energy

4E10

3500
3000

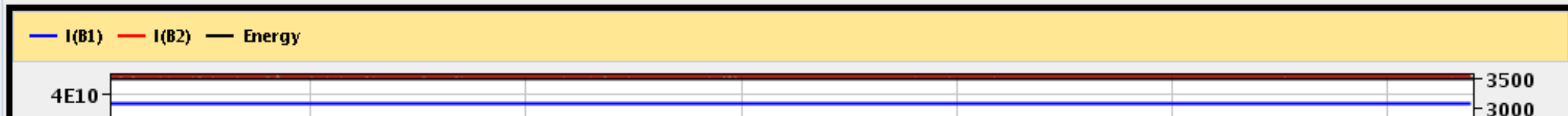CMSdb Query L1_BscMinBias...   CMSdb Query L1_BscMinBias...   WM   CMS PageZero   BL   Elog   +

CMS PageZero

DB queries are made every 45s; XML query interval is specified on the right.
Last updated: 2010.05.09 08:23:27 (UTC)

Date: Sun, 2010 May
UTC: 08:23:
Computer: 10:23:
Refresh: 45 sec

CMS DAQ/Trigger		Luminosity	
Run Number	135149	Lumi (E30 $cm^{-2}s^{-1}$)	0.01730000
L1 Triggers	0	∫ Lumi Fill (nb^{-1})	795.48071289
L1 Rate (Hz)	0.00000000	∫ Lumi Live Fill (nb^{-1})	795.48077393
L1 Menu		∫ Lumi Run (nb^{-1})	795.48120117
HLT Triggers	0	∫ Lumi Live Run (nb^{-1})	795.48120117
HLT Rate (Hz)	0.00000000	Miscellaneous	

Things ongoing...

- Integration of the filter into the readout; DIP

- Test of the block transfer capacities using the baseline program

  - Generic data organisation has to allow for all readout window settings and acquisition modes

- Comprehensive analysis of all data taken

  - For example: real spectra without pre-selection

- Documentation (trying Doxygen)