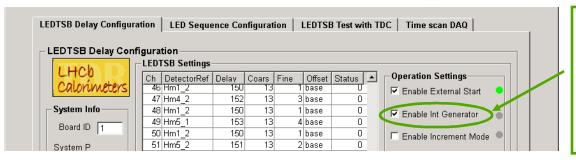
HCAL status and calibration

HCAL status survey 07.09.2009



A quick method to check the LEDs, PM/CWs and integrators :

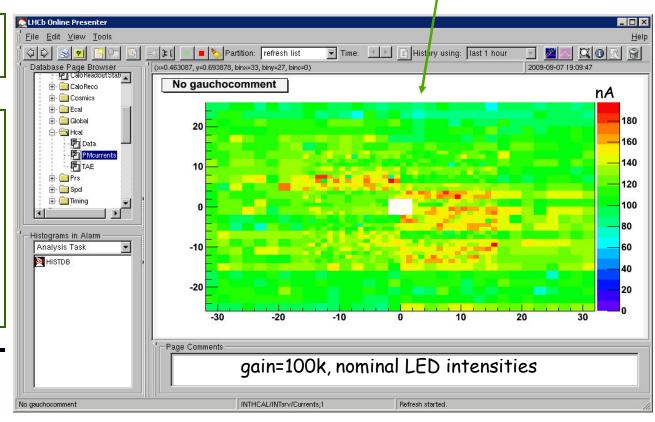
- > enable LEDTSB pulser (2 kHz continuous LED flashing)
- > look at the PM currents

All the LEDs, PM/CWs and integrators OK



The CAT reflection test:

- + FEB side: ATI connector problem crate 23 slot 11 in 28 (I_15_02) (fixed)
- + no problem found at the PM side
- HCAL low level HW is operational

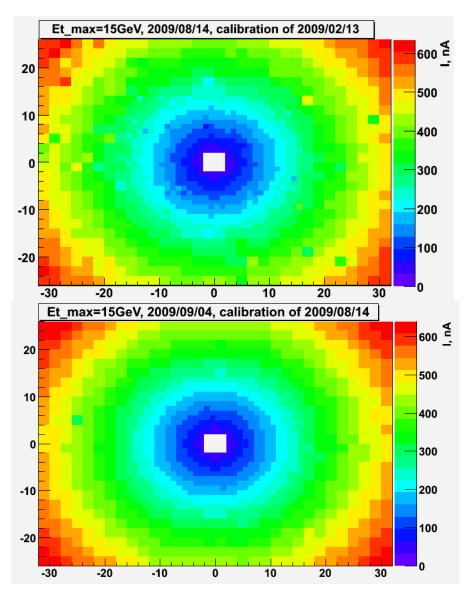


HCAL 137Cs calibration

Four ¹³⁷Cs runs since June: 19 Jul, 07 Aug, 14 Aug, 04 Sep

Several source passages at different HVs in runs of 14 Aug and 04 Sep, in order to renew PM regulation curves

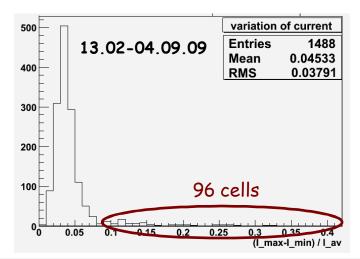
New calibration set (PHYSICS and STDB HVs and PM regulation curves) is ready, will be available in Db soon

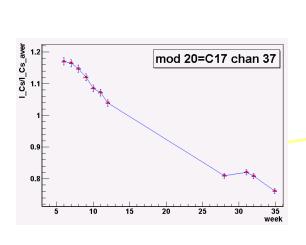


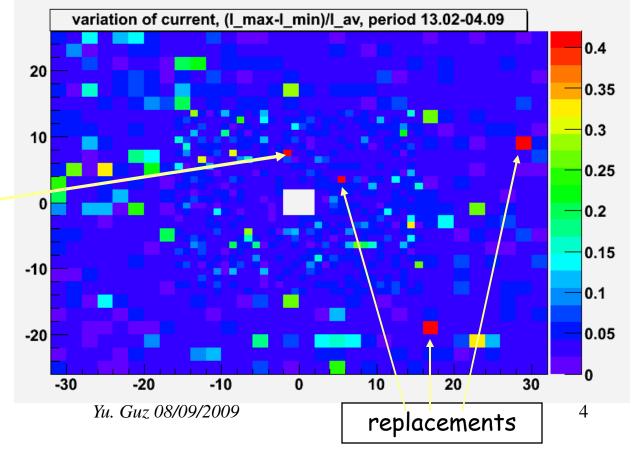
PM stability, 13.02-04.09.09

Slow variation of PM gains: since 13.02, 96 PMs out of 1488 changed by (10...40)%

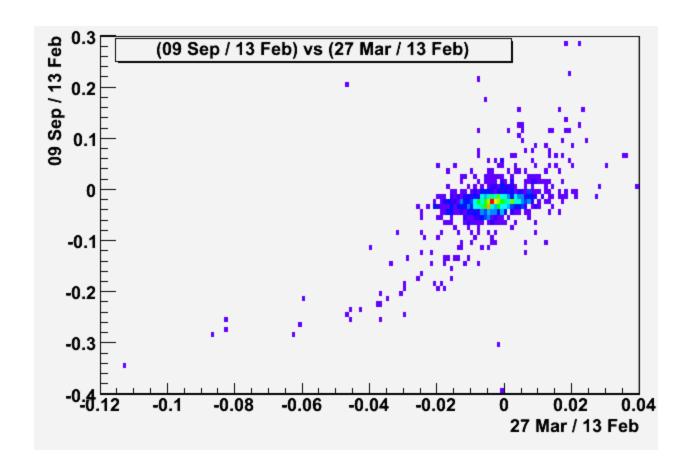
The PM gain drift is expected to continue > 137Cs calibration to be refreshed on needs







Spare slides



PM gain variations, 6 months vs 1.5 months

HCAL status

PM replacements

4 PM/CWs were replaced since June'09.

NB one of the replaced bad CWs was the one detected from delay scans

