Front Tracker Status (since July/1st)

- GEM assembling (Catania)
 - 6th GEM module assembled in Catania; we now have 6 module, 3 of them under testing (cosmic)/curing
 - New HV divider tested up to 5500 V
- Test Setup (Rome)
 - Added N2 gas line for HV conditioning; improved gas control/monitoring system
 - Installed 4 large scintillator pads (25x50 cm2 each) for cosmic trigger; coinc. trigger rate 0.2 Hz
- Electronics (Genova)
 - Designed a lightweight backplane made of G10+flex kapton (likely few prototype available in October)
- Software (Rome)
 - Improved common noise suppression (remove smallest and largest ADCs values) and x-y association
 - Finalized analysis of track algorithm convergence

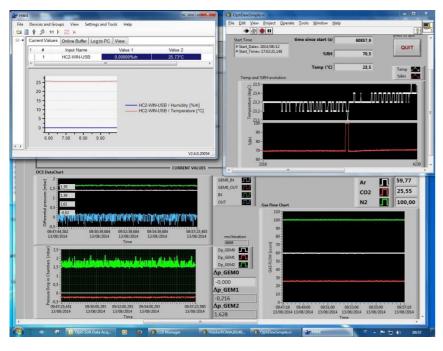
2014/Aug/13

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HV Conditioning and Cosmic setup

Environmental conditions monitor and gas control

Test stand



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External Temp and Humidity Internal Temp and Humidity Gas flow control and monitor Gas In and Out pressure

Hosts up to 6 modules + small reference chamber 2 + 2 large pads cover an area of about 50x50 cm2 Portable for beam test

Main gas line include mechanical filter (220 $\mu\text{m})$ humidity filters

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HV Conditioning

4200 V

