

**Report on EEE task Force
intervention at
Liceo “G.B. Quadri” Vicenza
21-23 Feb. 2017
and more**

M. Garbini for the EEE Task Force

Status at arrival at Vicenza

People: F. Coccetti, M. Garbini, I. Gnesi, A. Zucchini (INFN Bologna Tech.)

Material already at the school

- 3 MRPC
- 6 Amphenol
- 6 FEA
- Weather Station
- PC + Monitor
- Lecce Power Supply
- DC/DC converters
- Gas rack
- *Support structure*
- VME minicrate
- Bridge V1718
- TDC 64 ch
- TDC 128 ch.

Material we brought

- Gas Mixer (MG)
- Tubes + Connectors (MG)
- Cables+connectors (MG & FC)
- LEMO (MG)
- Oscilloscope (MG)
- Amphenol/TDC adaptors (FC)
- Thresholds (IG)
- Tools

Fast Summary: Telescope mounted, first signals seen; need trigger to enter the run

MRPC Installation on Support Structure

Note on Support structure: Not strong enough, thanks to A. Zucchini we managed to reinforce it



Gas System

All the gas system has been mounted. Chambers checked for leaks (see next slide).

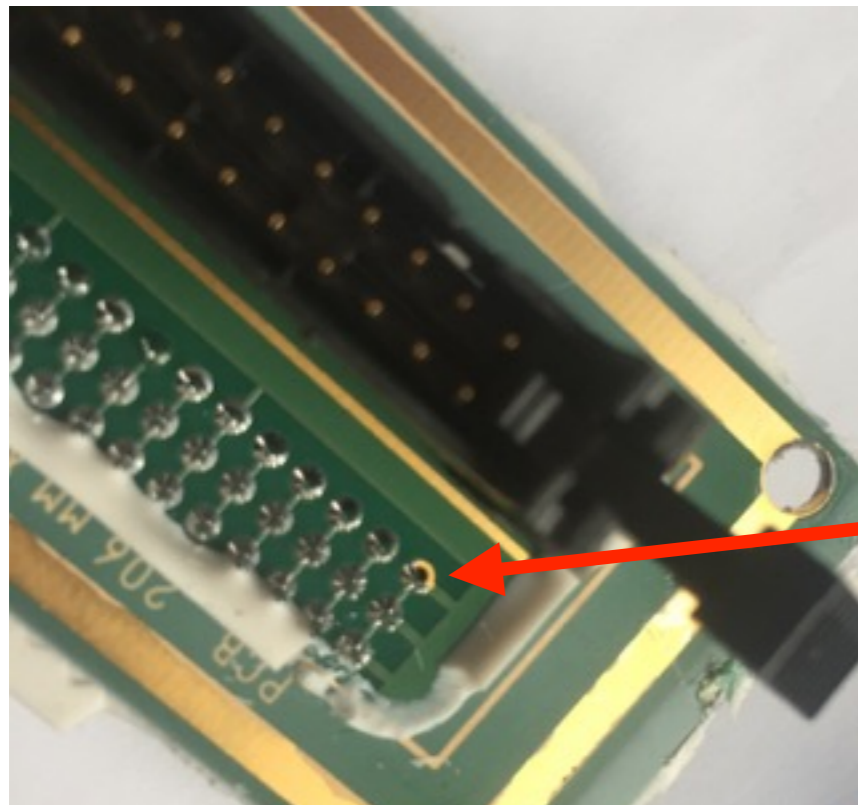
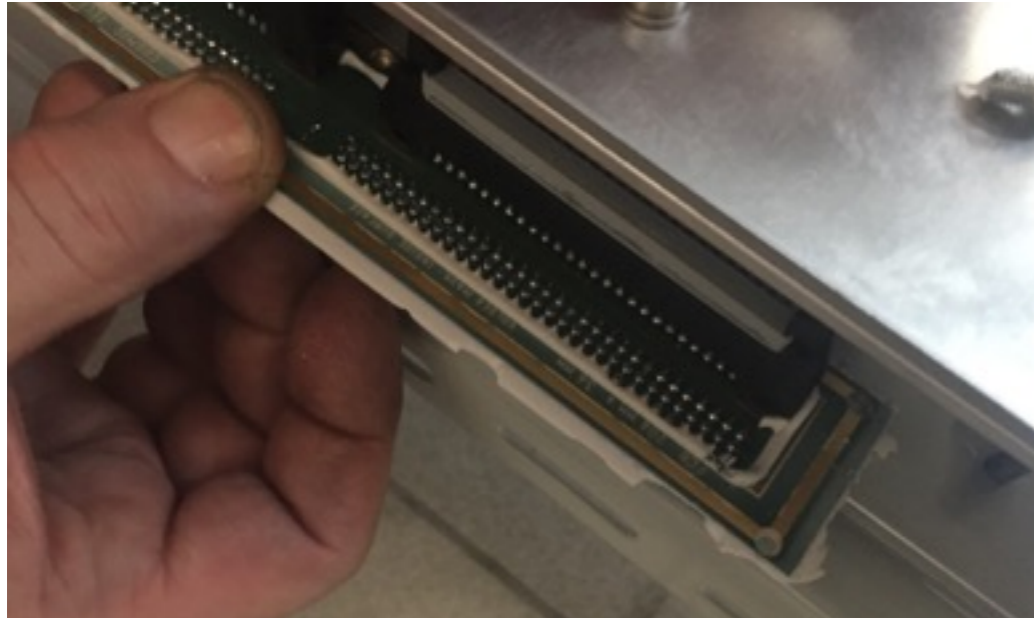
Gas bottles missing but we managed to receive a R134A bottle the last day, thanks to an extra effort from Centro Fermi and Ivan



Fluxing since the 23th morning, first bubbles after less than 1 hour

Gas leak

Found a huge gas leak on C1 (bottom): pin on chamber connector not soldered; connector dismantled fixed and remounted; the chamber is gas tight



Missing



Status



Good news:

Installation of all the hardware is done;
Installation of all the software is done;
Signals seen at oscilloscope: reasonable rate;
HV on, waiting chamber conditioning and trigger (some issues on power supply almost solved);
SF₆ arrived;
Synchthing almost configured (some firewall configuration need to be done).



Still missing:

Trigger Card

managed
to take away the
wooden box and
bring it to CERN
for new chambers
delivery



Summary of Task Force operations since January and future plans

TREV-01 (Bossini, Coccetti, Garbini)

SALE-02 (De Gruttola)

ANCO-01 (Garbini)

FRAS-01 (Coccetti, De Gruttola)

FRAS-02 (Coccetti, De Gruttola)

VICE-01 (Coccetti, Garbini, Gnesi + Zucchini)

What next:

ROMA-01-> waiting for OR cables

LECCE?

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Take a ticket we will serve you asap

