

## ROB-128

- 800 HPTDC 's v 1.3 at beginning of March
  - ~ 180 ROB-128 are being assembled.
- Production tests are being used for insuring proper functionality of the boards:
  - Connectivity tests.
  - Full functionality tests.
- A short-time non-aggressive burn-in test performed to all ROB 's will screen for infant mortality
- Initial plan consists in operating them one week at 40°C, powered, clocked and monitored.

## ROB-32

- 4 prototypes have been produced and tested with satisfactory results.
- Accordingly, final PCB design has been approved and full production has been launched.
- ~ 70 PCBs expected by May. Then, assembly and tests will be performed, followed by burn-in.
- Production tests for ROB-32 are ready.

# MINICRATE

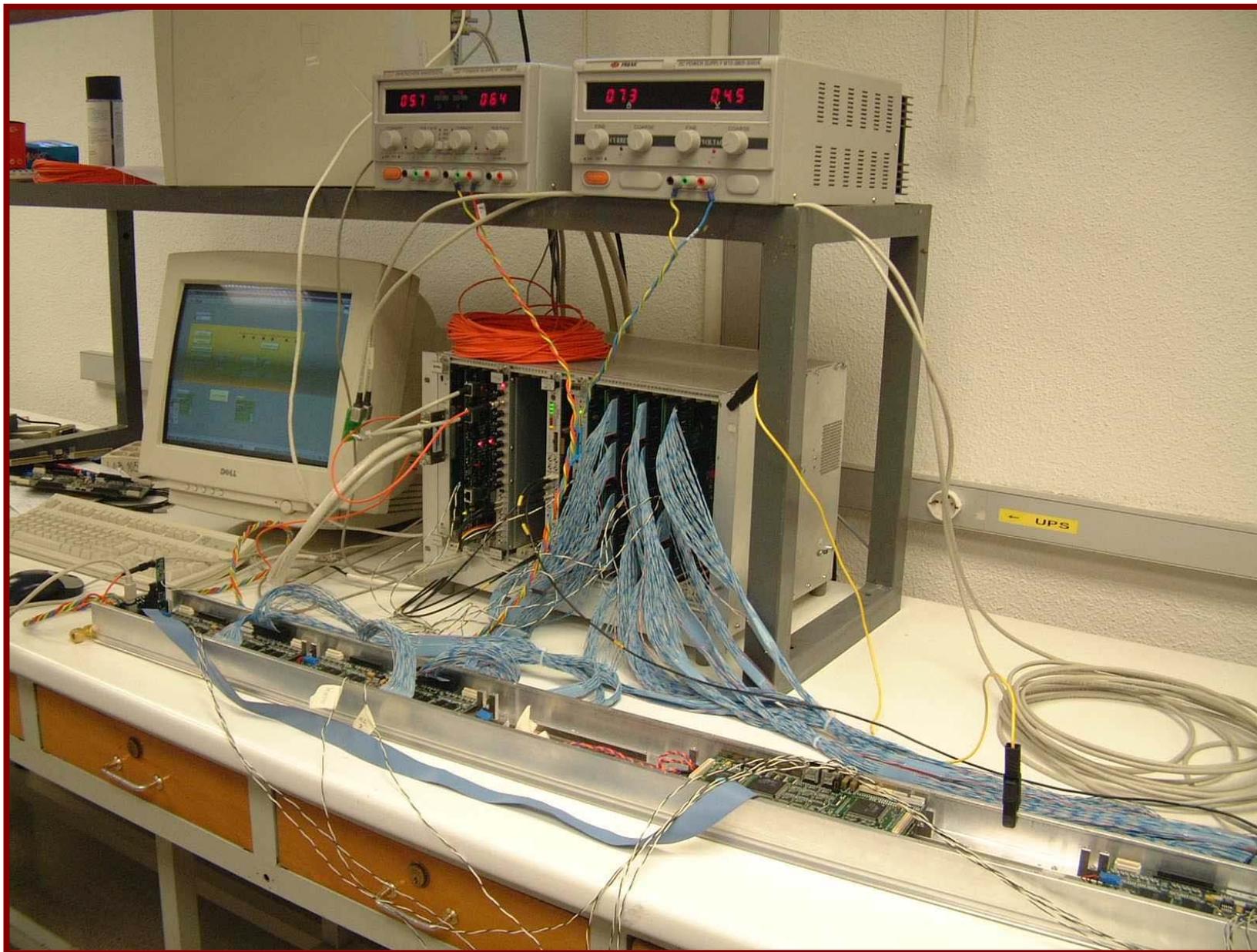
➔ A MC has been assembled at CIEMAT with new CCB and final ROB's.

{ Read-Out Configuration programs are being developed for new CCB.  
Progress has been made and RO-MC can be properly configured and operated for data acquisition with our test jigs at Madrid, and in Padova with TRB's in preparation for May test beam.

➔ Reliability tests for RO-link with TTC system to insure jitter immunity are being performed, up to now link BIT ERROR RATE  $< 10^{-14}$ .

## TEST JIG

- **TTC system:**
  - **TTCvi for trigger and broadcast and individually-addressed commands generation.**
  - **TTCex for 40.08MHz clock generation and optical transmitters.**
- **100 m optical fiber to CCB link board.**
- **Pattern generators.**
- **ROS-8 prototype for data acquisition.**



➡ Improvements to last mechanical parts have been made as the MC in Padova is being equipped with TRB's (Lorenzo Castellani).

➡ An MB2-RO minicrate will be installed after Eastern at CIEMAT for chamber production testing.

## ROS

- ❏ ROS-8 prototype is being improved for proper operation with optical data link.
- ❏ An optical link board prototype for testing is under development.