Status: Test Results & Web Pages

- One TIB old prototype (6 APVs) circulated among TIB labs to verify and commission test setups
- 4 “last generation” TIB modules qualified in Pisa and Bari before going to PSI test beam
- 1 FR4 module with optical r.o. in Firenze for TIB System Test and P.S.
- TOB modules at FNAL: see Len’s talk today
- Torino, Pisa, Catania, Firenze, Bari have a web page as requested (for CMS setup), with plots and summary generated by standard macros (Torino); they also have root files online.
- Aachen has a page for ARC results on 10 modules, in a different format
- What about other Labs ? Why NO REACTION ?

Leftovers…

- I2C additional cards (TPO) ready for delivery

- Antwerpen Long Term SW: which labs have installed it (beyond Torino) ? Is it running satisfactorily ?
- LV control card
- HV electrometers ex-MSGC? Deep darkness…

- ARC analysis software release: no news since April

- Cables for test setups: no news since March

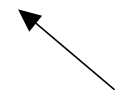
Standardize Cables for CMS Setup

25 cables 1 m long, for trigger and ck from TSC to FED, 2*small lemo 4 pins;

70 an. cables, 2 m long, analog out from Vutri to fed (special small cable), 2 pins lemo small/big, for single module tests (6 apv's);

100 an. cables, 2 m long, analog out from Vutri to Multiplexer (standard cern cable), 2 pins lemo big/solder on pcb, to equip the first 3 cold boxes with Karlsruhe MUX;

15 an. cables, 1.5 m long, analog out from Multiplexer to fed (special small cable) 2 pins lemo small/solder on pcb, to equip the first 3 cold boxes with Karlsruhe MUX.



Big Lemo

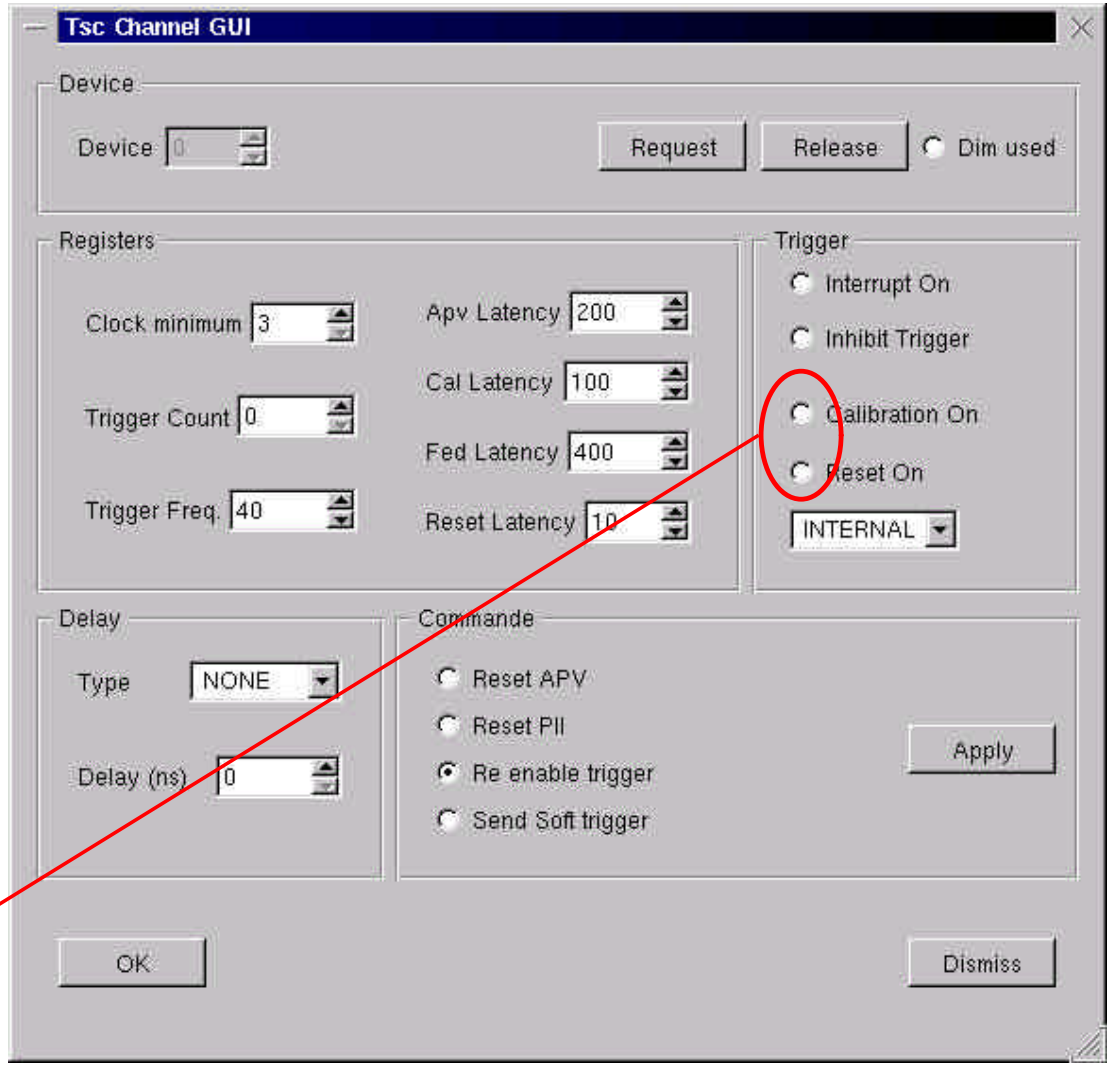
Cables for CMS Setup (2)

- These quantities are foreseen for about 20 single module test setups and 3 Vienna cold boxes; they already require a large amount of work
- Before launching this production we need to be sure about:
  - quality of signal transmission (cable length could be critical for noise)
  - cable length suited for fitting in our setups and boxes

  Who is going to investigate these problems?

A short reminder on
"How to take data"
(examples from
CMS software)

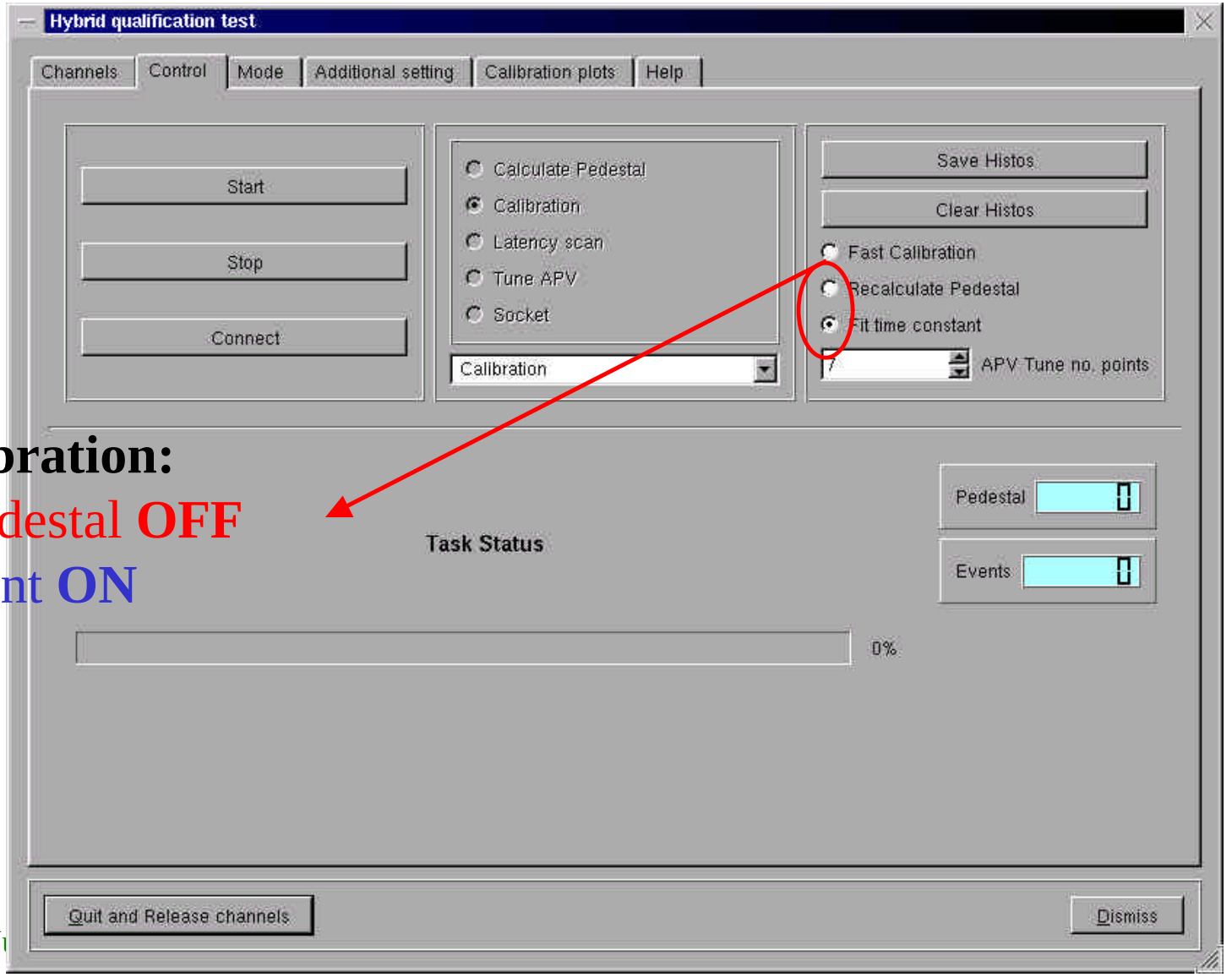
TscDialog



Sorry if this looks too trivial !!!

For Pedestals:
both OFF
For Calibration:
both ON

HybridDialog



When in Calibration:

Recalculate pedestal **OFF**

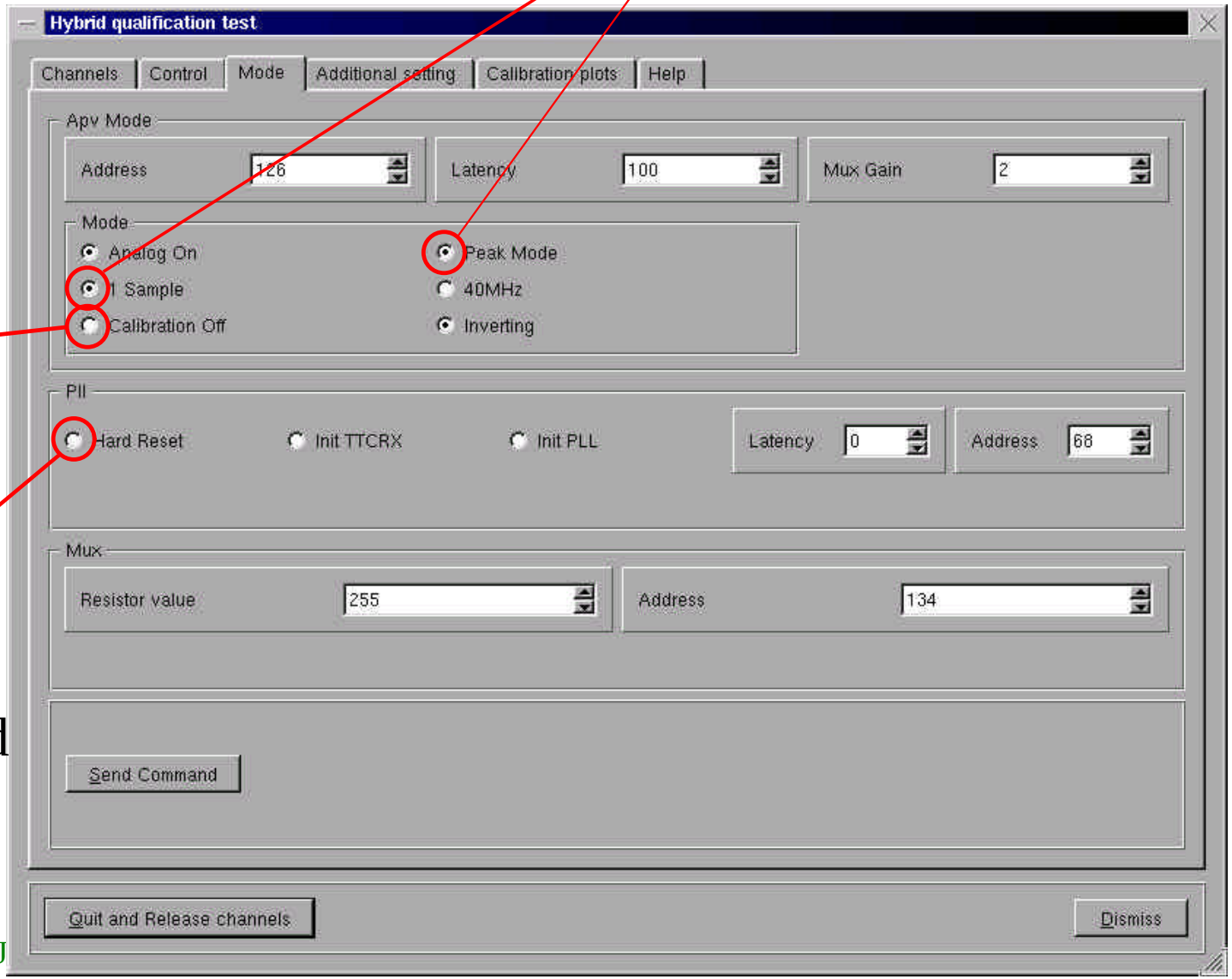
Fit time constant **ON**

HybridDialog

Peak ON
Dec OFF

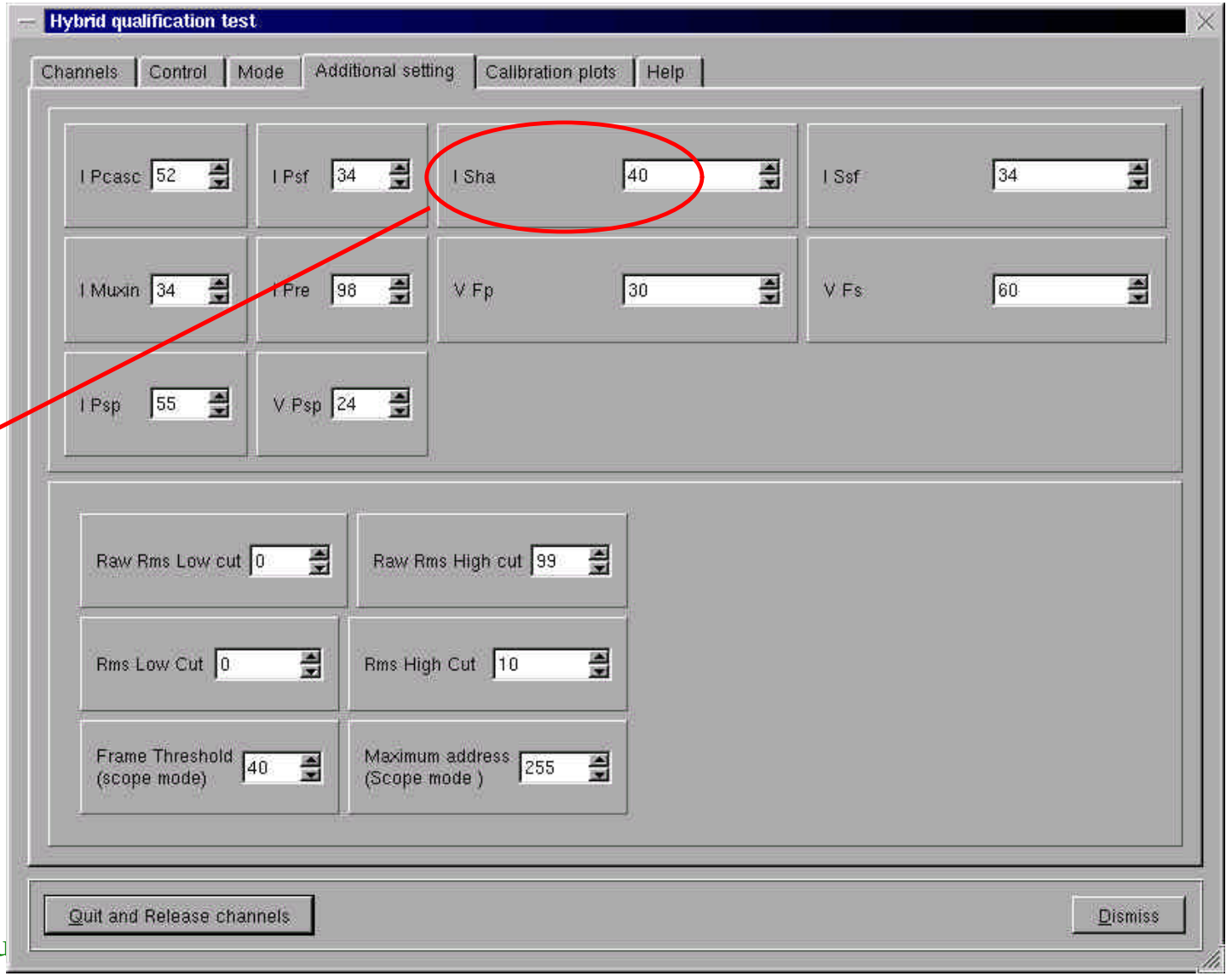
Pede ON
Calib OFF

The first time send one Hard Reset



HybridDialog – default settings

Same values as in APV 25 user guide, except for ISHA=40



Useful Tips

- The APV must have Inverting ON
- After any cable changes do not forget to run TuneFed and set the delays in your daq.xml
- Acquire pedestals and calibration data in the same ROOT file in order not to make macros crashing…..