

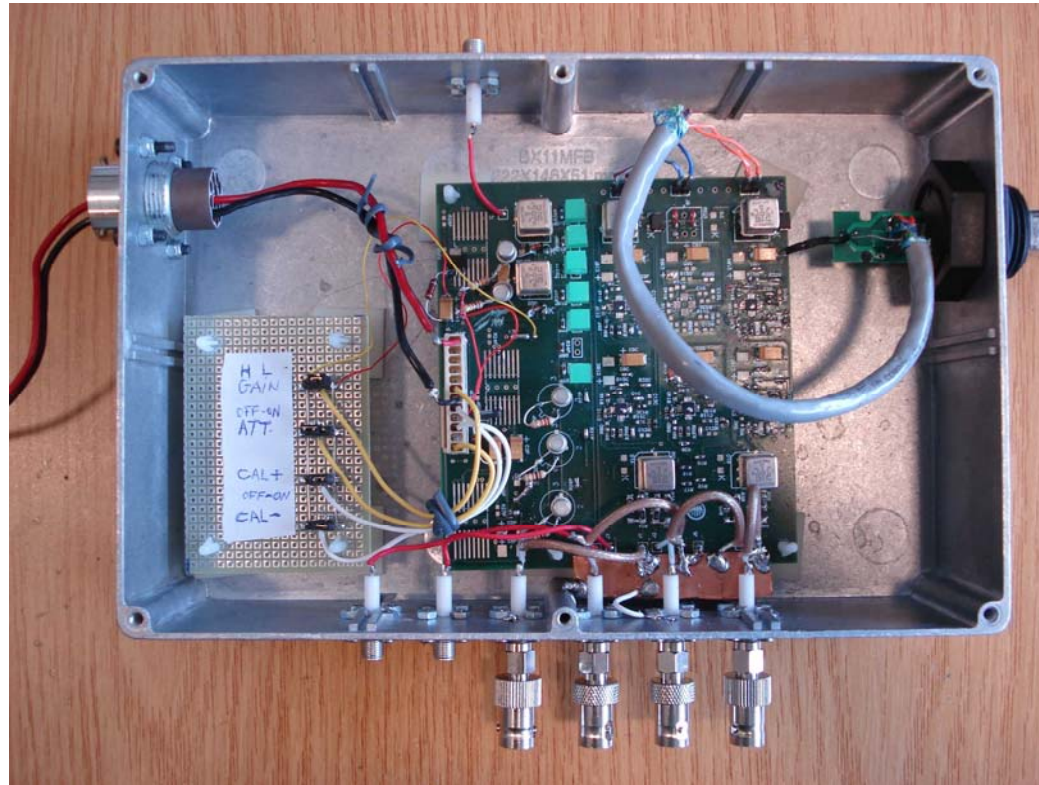
# BPS amplifier for TBL

Gabriel Montoro\*, Antoni Gelonch, Yuri Koubychine  
Universitat Politècnica de Catalunya (UPC)

\*E-mail: [montoro@tsc.upc.edu](mailto:montoro@tsc.upc.edu)



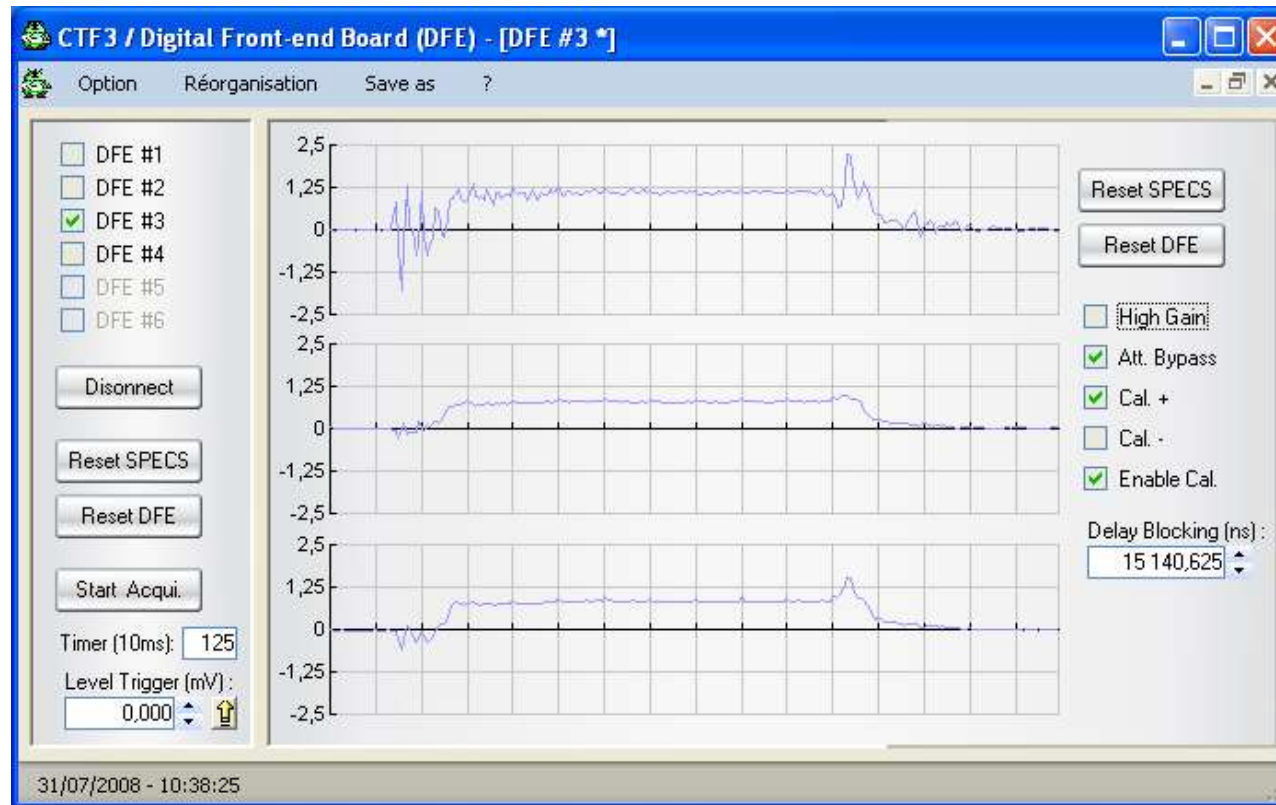
**It's been installed (on July 2008) a prototype unit of the BPS +amplifier**



**Amplifier prototype version v1.1 (as installed on July 2008)**



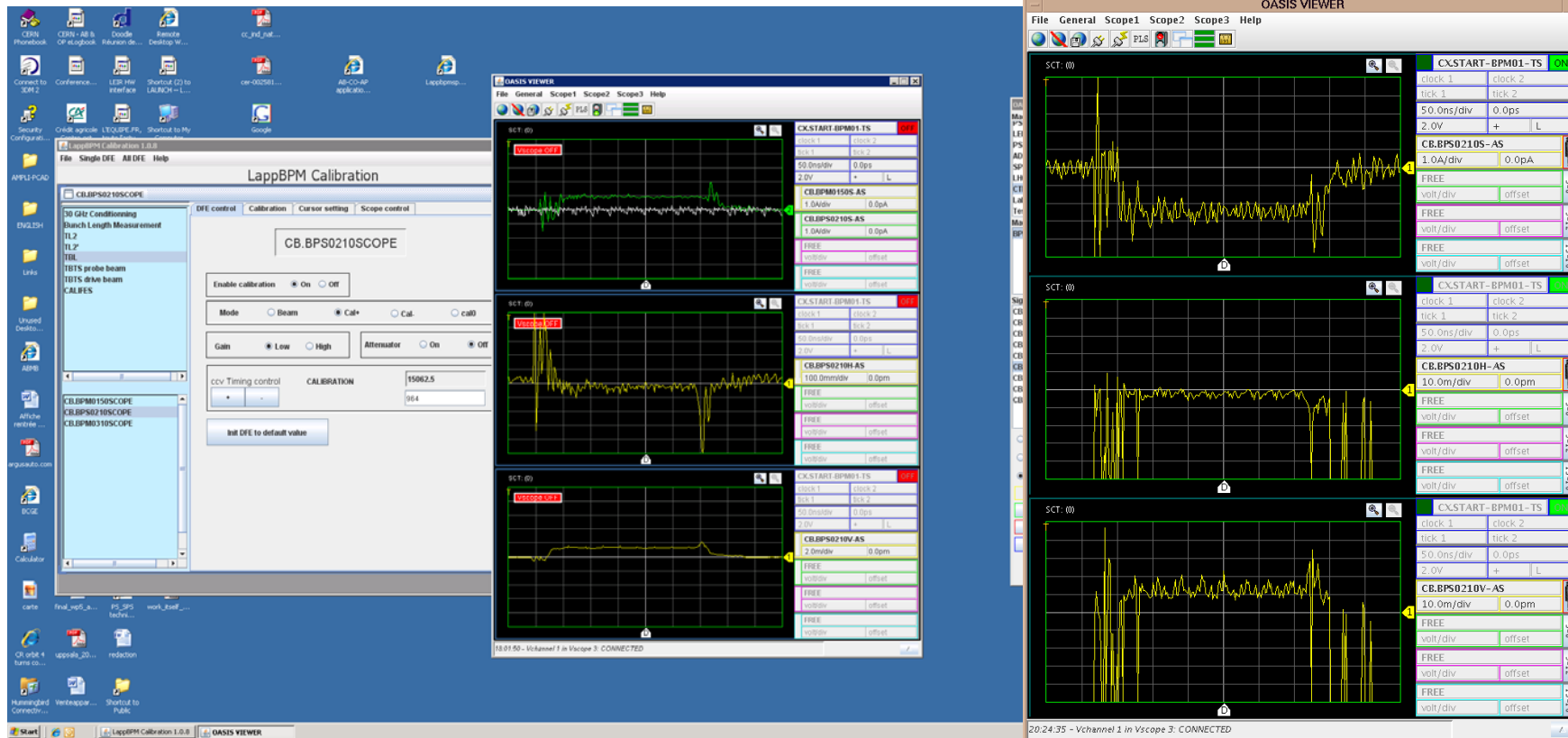
# A calibration test (BPS+amplifier+digitizer) was done on July



There was a 'glitch' at the start and the end of the responses (Sum, deltaH, deltaV)



# More testings: October (left plot) and November (right plot) testings show more mismatches



Sum and deltaV signals have some glitches ... but the deltaH has disappeared !!!







## Next work to do ...

- ... to solve the problems detected in the installed amplifier (**next week** is scheduled a visit to CERN)
- ... to build an unit of the 2nd Amplifier prototype v2.1 (starting now)
- .... to test it (v2.1) in the UPC lab (on middle December)
- ... to test it connected to the BPS (collaborating with IFIC people) and Digitizer (collaborating with LAPP)
- ... finally: to send to the manufacturer 16 PCB units for building 16 amplifiers (January?)



# Thanks !

Gabriel Montoro  
montoro@tsc.upc.edu

