MOU STATUS
28 October 1999

The final version of the "Memorandum of understanding between Institute of High Energy Phisics at Beijing and the CMS Muon Subdetector Collaboration for Drift-Tube electronics assembly " has been signed in August 1999.

Two people from IHEP spent june and july 1999 in LNL to get experienced with the peculiar production techniques of the boards and connections and also contributed to the definition of the test procedures. About 200 High Voltage Boards were produced and tested.

In the same time a set of test jigs has been developed , tested and used in LNL.

The test jigs and all the materials necessary to produce other ~ 300 boards is now being shipped to IHEP by plane, so the start of production inBeijing is foreseen by ~ mid november. A visit to IHEP is foreseen by CMS part by that time. Pictures of the Test Jigs are shown at: http://warco.pd.infn.it/cms/electronics/HV-hardware.pdf

In fig 1 is shown the configuration of jigs allowed at present by the materials just shipped to Beijing, while the final configuration in fig. 2 will be allowed by next shipment in January 2000.

The foreseen time schedule extracted from the MOU is :

- Setting up of Assembly and Test Site at IHEP-Beijing

  By mid November 1999

- Production of further ~ 350 HVB'sand relative Interconnections at IHEP to test the production line and to cover the year 1999 pre-production of Chambers

  By mid December 1999

- Start mass production at IHEP-Beijing at a rate of approximately 500 HVB and 500 HVC plus the relative quantity of Interconnections every month (the production of special boards shall be evenly distributed in time)

  By end January 2000

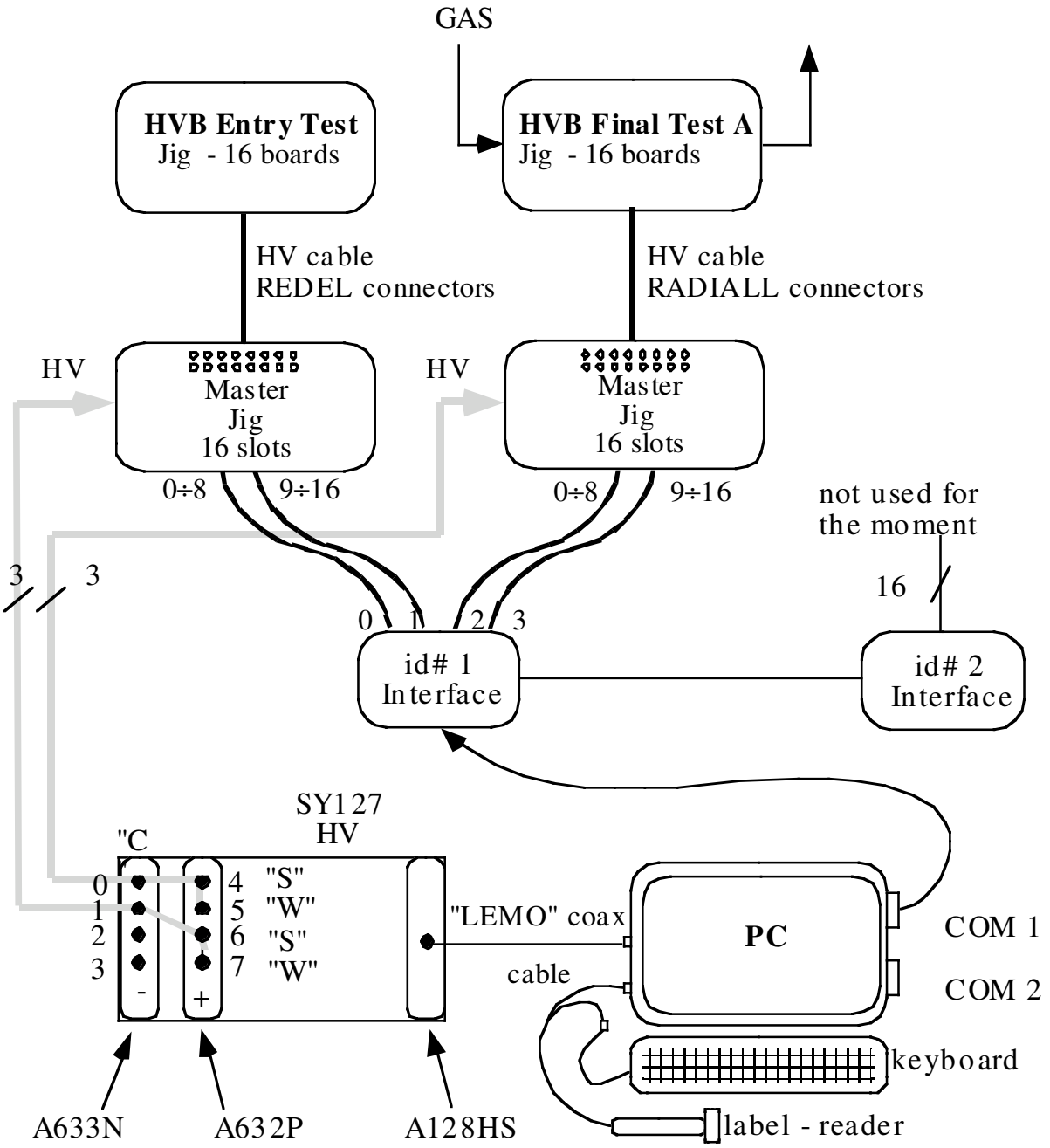
- Delivery to CMS Muon Subdetector of a first batch of 500 boards per type plus the relative quantity of Interconnections

  By mid March 2000

- End mass production at IHEP-Beijing

  Before December 2002

Temporary Test-Jig Layout



Two Concurrent Processes on one RS232 Communication Channel

Fig. 1

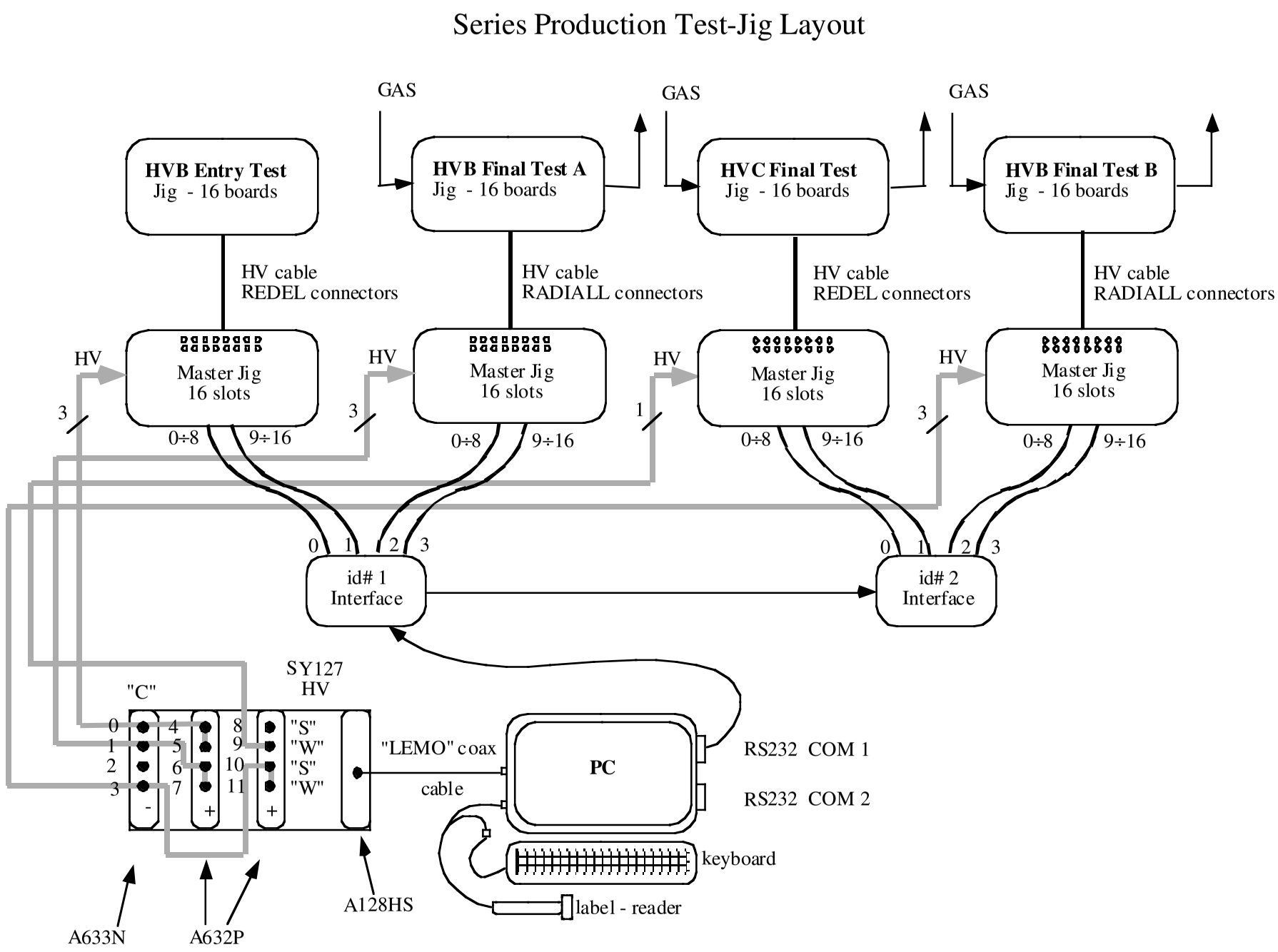


Fig.2

Four Concurrent Processes on one RS232 Communication Channel