The Electronic Logbook for LNL Accelerators
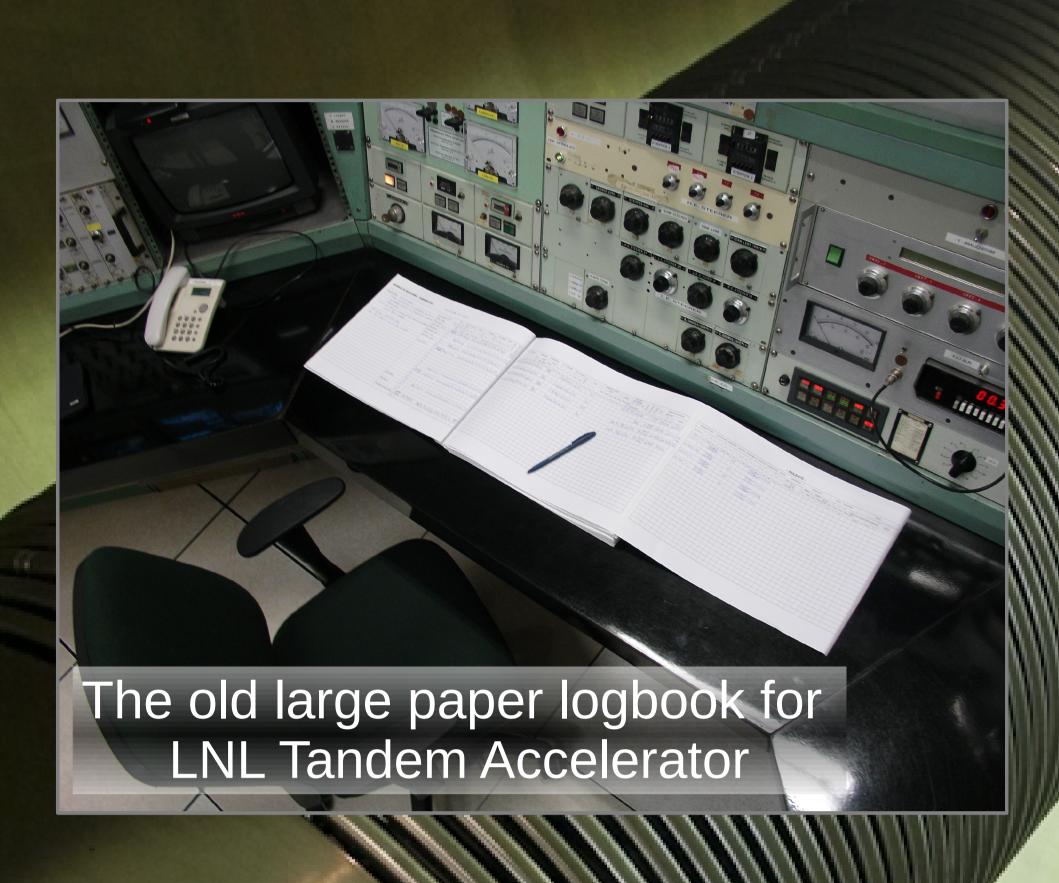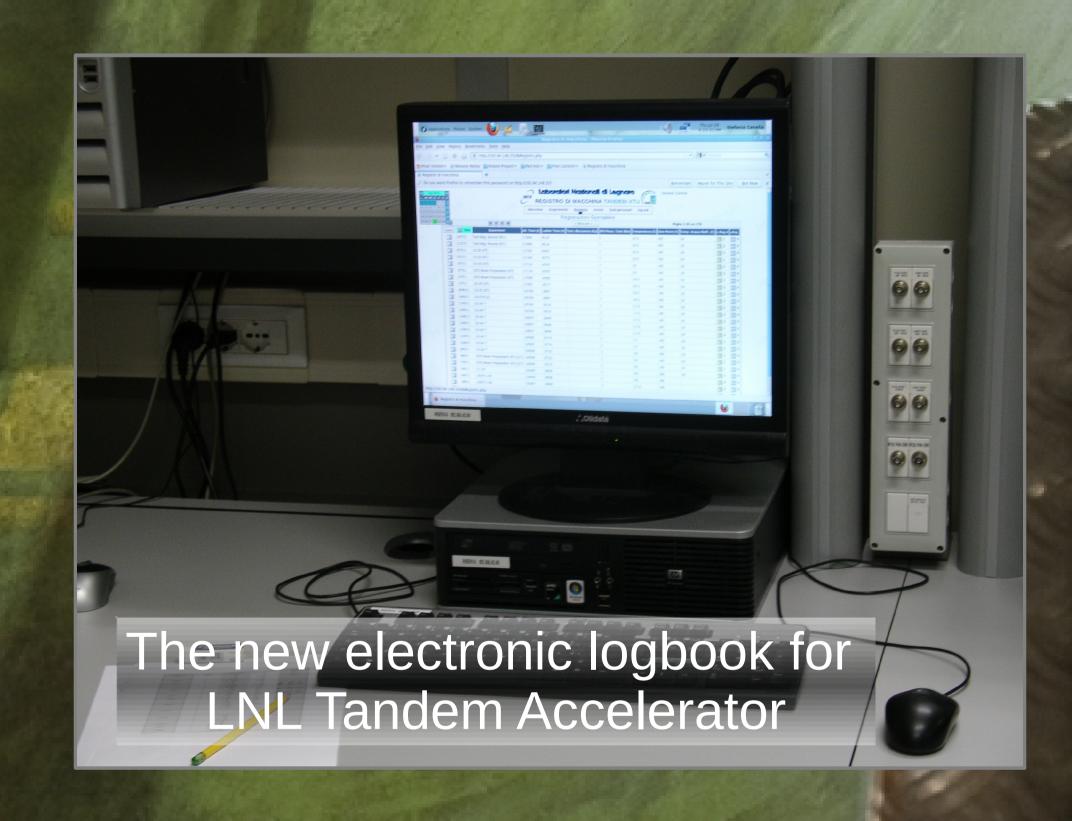
S. Canella, O. Carletto,

INFN – Laboratori Nazionali di Legnaro, Legnaro (Padova), Italy

The old large paper logbook for LNL Tandem Accelerator

The Old and New Logbooks

Two years ago (2009) all run-time data concerning the particle accelerators at LNL were still registered mainly on a large format paper logbook. At that time a decision was taken to build a new tool towards an electronic registration of accelerators data.
The LNL Electronic Logbook was ready last winter, after a 12 months of development and commissioning.

The new electronic logbook for LNL Tandem Accelerator

Configuration

The LNL Electronic Logbook has a client-server structure: a web server application supplies the pages to standard web-browsers. Data are stored in RDBMS (MySQL) and made available by PHP procedures.
The electronic logbook is highly configurable by intrinsic editing capabilities on the data set configurations and form pages.

Photo: *Inside LNL TANDEM-XTU*, Andrea. Alessio 2008