

Feb 2010 Alba mini newsletter

General:

* Below you can find a link to a newscast on TV3 about the success of booster commissioning:

<http://www.tv3.cat/videos/2689490/Primeres-proves-del-sincrotró>

Beamlines:

<http://www.cells.es/Beamlines>

- * Core Level Absorption & Emission Spectroscopies (CLÆSS)
 - Infrastructure of the optics hutch is being installed
- * Materials Science and Powder Diffraction (MSPD)
 - Multi-crystal detector electronics tests on the counting chain to be finalized
- * Macromolecular Crystallography (XALOC)
 - Evaluating offers for the main data collection detector
- * Non-Crystalline Diffraction (NCD)
 - In-house commissioning of the cryocooler+monochromator has been finished
 - Installing beam defining slits (Optics and Experimental hutches)
 - Survey alignment for components (to be installed in May) has been carried out
- * Photoemission Spectroscopy and Microscopy (CIRCE)
 - Detailed design review of the PEEM has been approved
- * Resonant Absorption and Scattering (BOREAS)
 - Installation of the optics has started
 - Final design review meeting for the XMCD end station has been held
- * X-Ray Microscopy (MISTRAL)

IDs:

http://www.cells.es/Divisions/Accelerators/Insertion_Devices/Ids/

- * EU71s: site acceptance tests have been finished; its performance according to the specifications has been verified
- * IVUs: factory acceptance tests to be started next week

Accelerators:

<http://www.cells.es/Divisions/Accelerators>

The main milestones achieved during the Booster run which started on the 11.01.10 and finished on the evening of the 24.01.10 h have been:

- * Stored beam in the Booster at 100 MeV with the RF on
- * Beam ramped up to 2.7 GeV, higher than it had been foreseen.
- * Beam studies at 100 MeV and also during ramping

These results shown that all the components, sub-systems and equipment performed accordingly to specifications. More information at <http://www.cells.es/NewsAndEvents/News/first-operational-test-of-the-booster-accelerator-of-alba>

The Booster is now off and we are continuing with the installation of the RF cavities in the Storage Ring.