

April 2010 Alba mini newsletter

Beamlines:

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

- \* Core Level Absorption & Emission Spectroscopies (CLÆSS)
  - The final design review of the fluorescent screens and the preliminary design review of the filters (CINEL) have been successfully performed
  - The design phase of the experimental table is nearing completion
  - The call for tender for the 1D fluorescence detector has been launched
  
- \* Materials Science and Powder Diffraction (MSPD)
  - Factory acceptance tests reports of the monochromator and optics have been received and accepted
  
- \* Macromolecular Crystallography (XALOC)
  - Mechanical installation of the automated sample changer (IRELEC) has been performed
  
- \* Non-Crystalline Diffraction (NCD)
  - Mirrors to be installed this week
  - Vacuum-to-air interface designed in-house has been tested successfully
  - Differential pumping stages designed in-house ready to be installed
  
- \* Photoemission Spectroscopy and Microscopy (CIRCE)
  - Support of the PEEM/KB system has been installed
  
- \* Resonant Absorption and Scattering (BOREAS)
  - The optics have been installed (TOYAMA)
  
- \* X-Ray Microscopy (MISTRAL)
  - The complete backbone and optics of the beamline are on site. Installation has started.

IDs:

[http://www.cells.es/Divisions/Accelerators/Insertion\\_Devices/Ids/](http://www.cells.es/Divisions/Accelerators/Insertion_Devices/Ids/)

Accelerators:

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

After installation of the 6 RF cavities the ALBA storage ring is only missing the injection straight, which is now being prepared and tested in the laboratory. Installation of this last section is foreseen for the beginning of May. Meanwhile the cabling campaign for all the storage ring components is proceeding according to schedule.

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<http://www.c>

\* Core Level  
- The final  
preliminary



Section of the optics of the beamline BOREAS