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Feedback systems at ALBA

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ALBA Fast Orbit Feedback is now in operation since last month. Eventhough there are still many utilities to be developed, the system has shown great performance without failures. The parallel implementation of the Fast Archiver turned to be a perfect tool for the FOFB commissioning. The archiver stores position data from the BPMs at the 10kHz rate used by the FOFB, being a powerful device for feedback failure detections and analysis of possible noise sources like magnets power supplies.

The Bunch-by-Bunch feedback system was recently tested with beam. It's based on the Libera BbB electronics and the Diamond EPICS controls. Collaboration with Diamond colleagues has proved the possibility of system integration into ALBA machine.

Primary author: OLMOS, Angel (CELLS)

Presenter: OLMOS, Angel (CELLS)