

Frequency Hunting application for beam noise detection at ALBA

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Due to recent unknown noise problems in ALBA beam position, a new python application has been developed in order to catch and track particular frequency components along the runs. Such application takes the BPMs 10kHz data from the Fast Archiver at a given periodicity, analyzes the BPMs spectrum and stores the tracked components into a log file for later off-line analysis. We will present how the application has been developed, some useful examples of its capabilities and possible improvements for a deeper investigation of noise sources at ALBA.

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