

ALBA optical fiber BLMs

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We've recently started a collaboration project with UB university for the development of BLMs based on scintillating optical fibers and Si photomultipliers (SiPM). A dedicated electronic board takes care of the counting of photons from the SiPM detectors and hands the results to the control system. Each BLM device will be in charge of up to 8 SiPM detectors and will provide counts of losses and time-of-flight capabilities to localize losses along the fibers. Right now the project is still in its design phase so we'll show the main characteristics of it and some data already taken during preliminary tests with beam.

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