

ZDAQ a light data acquisition system for beam and laboratory tests

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ZDAQ is a light data acquisition system, based on ZeroMQ and mongoose-cpp networking frameworks. Providing binary data collection, events building, web accessible finite state machine and process control, it is well suit to manage distribute data source of laboratory or beam test. It provides a simple event building (one unique process, no parallel building) with flexible data writing formats.

It is intensively used for the tests of the Semi Digital HCAL (RPC+Fe) prototype of ILD and also for the tests of the new electronic for improved RPC (CMS upgrade). In this talk, we will present the architecture, some examples and performances of this framework.

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