

Constellation - a Flexible Control and Data Acquisition Framework

The qualification of new detectors presents a challenging setting that requires stable operation of diverse devices, often employing multiple data acquisition (DAQ) systems running on several machines in a local network. Changes to these setups are frequent, such as using different reference detectors depending on the facility. Managing this complexity necessitates a system capable of controlling the data taking, monitoring the experimental setup, facilitating seamless configuration, and easy integration of new devices.

Constellation is a flexible control and data acquisition framework developed with the requirements of laboratory and test beam environments in mind. Besides the possibilities for control and monitoring of the setup, Constellation also offers data transmission over the network, which is useful for embedded DAQ systems such as Caribou.

I want to give a Lightning Talk

no

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