

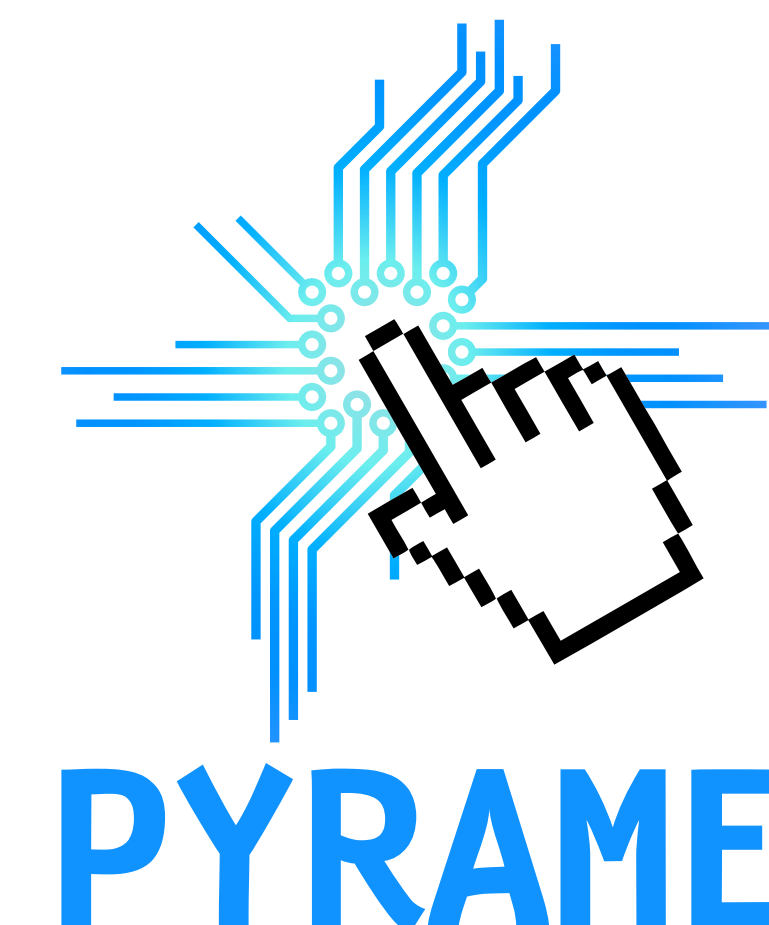


Flexible online monitoring for high-energy physics with Pyrame

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What is Pyrame?

Pyrame is a **fast prototyping framework for online systems**. It provides basic blocks (modules) of **control-command** or **data acquisition**. These blocks can be assembled together to quickly obtain complete systems for testbenches. The framework is highly flexible, stable and allows the system to **evolve as fast as the testbench**.

New online monitoring

The new online monitoring architecture is based on the **distribution of data treatment operations among any module**, with multiple I/O streams. Uncontrolled data loss is prevented by providing data at the speed of the consumers. In addition, a performance-oriented module dedicated to real-time data acquisition is included.

Acquisition chain

