

Experiment Manager

Where's the code

lcls cvs repository

physics/correlations

Not in SEAL since what has been written so far is headless, and therefore is not SEAL specific.

Example of use of API

edu.stanford.slac.lcls.correlations.Runner

You get an instance of an Experiment, create some (1 or 2) Steppers, attach some (1 - M), like 200, Measures (things to be acquired). Then "decorate" the Steppers (decorate Design Pattern - decorate a proxy of the object) with delays and which Steppers ask use for input (Prompter), you then attach Steppers and Measures to the Experiment, and finally call Experiment.run().

There isn't a "for" loop as such, there is only do while "has more ticks".

Chris was thinking that it would be the Experiment.journal would be the place where results were recorded. This hasn't been coded yet.

For Beam Sync

You would have a Beam Synchronous decorator - following a pattern like the Prompter is for Steppers, the Beam Sync decorator would collect all Measures that are beam Synchronous.

Nominal usage

1d scan is 1 Stepper. "Linear" Stepper is the nominal CP kind.

How to Run

In Eclipse, run as Application.

To integrate with matlab