

Independent ExpChannel Acquisition

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- Motivation
- Objective
- Implementation



Motivation

- Performance point of view:
 - start timers without having to put them in MG (DESY request)
- 'Esthetic' point of view:
 - Start command from CT/OD/1D/2D channels threw an error when running it

API was partially implemented but not working

Objective

Acquiring an experimental channel without defining a Measurement Group



Implementation

- Scope:
 - counter/timers, 1D and 2D experimental channels
- Experimental Channel API:
 - Timer and IntegrationTime attributes added
Predefined Timer values: __default, __self, None
 - existing Start command corrected
- Macro API:
 - ct extended to accept expchannels/MG as argument
- Restrictions:
 - PseudoCounters and OD not included (to be done)
 - Timer and acquisition channel belongs to same controller

