

Development of a custom μ RTM using KiCad

Wednesday 6 December 2023 14:30 (15 minutes)

GSI is a particle physics research institute located in Darmstadt, Germany. At the same location, a new accelerator facility called FAIR (Facility for Antiproton and Ion Research) is currently under construction.

Our beam instrumentation department is using MicroTCA systems for measuring beam parameters like position, intensity and profile, for accurate timing control, for measuring voltages and for control applications.

The presentation will handle recent MicroTCA related topics:

* A custom μ TCA RTM has been developed using KiCad for connecting to precise current measurement devices used together with ionization chambers

* (Our solution for flashing FPGA gatewares via PCIe might be presented as well)

Primary author: GEISSLER, René (GSI)

Presenter: GEISSLER, René (GSI)

Session Classification: Session V