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# Stabilization System based on MTCA.4 platform and FAST-PS power supplies

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A beam stabilization system for accelerators based on the MTCA.4 carrier DAMC-FMC25 with a FMC-PICO-1M4 picoammeter front-end and an SFP adapter is presented.
This system elaborates the information received from a position detector it is interfaced directly to the FAST-PS bipolar power supplies by CAEN ELS that have fast low-latency SFP interfaces available for fast feedback applications.
The MTCA.4 board acts as both the readout and computation section of the system while the FAST-PS acts as the actuator for stabilization.
An overview of the system architecture as well as of the final application will be presented.

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