

## Overview of MicroTCA.4 Applications for Accelerators based on CAEN ELS Picoammeters

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CAEN ELS FMC-based picoammeters (FMC-Pico-1M4) have been used for a large variety of applications such as beam position monitors, beam loss monitors and as parts of beam stabilization systems and machine protection systems.

With this contribution we present an overview of the CAEN ELS FMC picoammeters installations worldwide.

Standard FMC-Pico-1M4s are mounted on a DAMC-FMC25 AMC carrier equipped with a virtex5 FPGA. In the next future the picoammeters will be mounted on the new born DAMC-FMC2ZUP AMC carrier equipped with a powerful Zynq Ultrascale+ MPSoC, with FMC and FMC+ sockets and White Rabbit endpoint.

### Summary

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