Contribution ID: **87** Type: **not specified**

CAEN: FERS 5200 - A distributed front end readout system.

Wednesday 20 November 2024 18:22 (20 minutes)

The FERS-5200 is a highly scalable and flexible Front-End Readout System designed for large detector arrays, including SiPMs, multi-anode PMTs, and moe. Each FERS unit integrates 64 channels, featuring front-end electronics, A/D converters, trigger logic, synchronization, local memory, and readout interfaces. The system supports both analog and digital signal processing, making it suitable for a wide range of applications.
Key features include the ability to manage up to 128 FERS units with a single DT5215 Concentrator Board using the optical TDlink protocol, ensuring efficient synchronization and data readout. The modular design allows for easy expansion from standalone units to large-scale systems, optimizing cost and performance. Additionally, the Janus software provides comprehensive control and data acquisition capabilities, supporting both console and GUI modes for user-friendly operation.
The FERS-5200's compact size, high channel density, and low power consumption make it an ideal solution for modern detector readout needs, offering unparalleled flexibility and scalability.

Do you need a VISA letter for traveling to Canada ?

Presenter: LOCATELLI, Marco

Session Classification: Exhibitors (Chair: Fabrice Retière, Giacomo Gallina)