

TECHNOLOGY AND INNOVATION PLATFORM (TIP)

- **Sharing of technology with other laboratories**
- **Transfer of technology to industry**

Innovative and High Performance Electronics for Accelerators around the World



New Digital Radio Frequency Control System

- Currently 13 systems in operation at iThemba 24/7
- Interest from other laboratories for installation on their new Cyclotrons



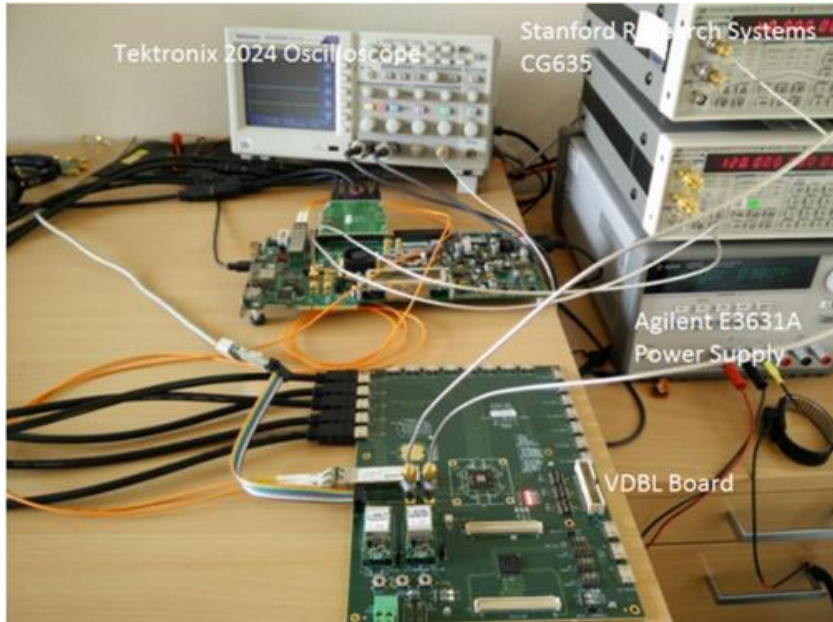
8 Channel Precision Current Integrator Measurement Module



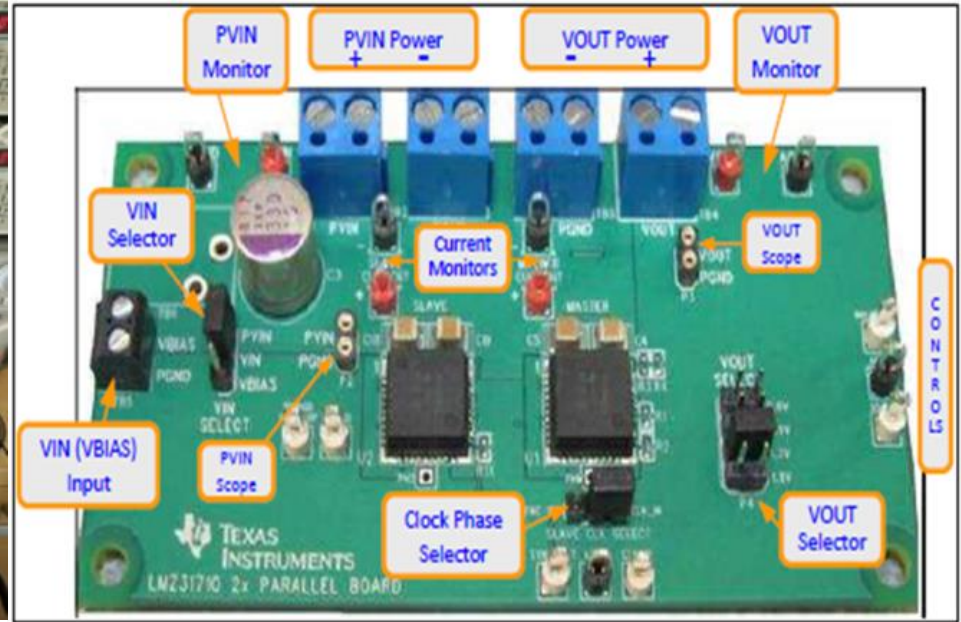
48 Channel Precision Current Integrator Measurement Module

CERN: ALICE

LS2: ALICE Muon Identifier Common Readout Unit



LS2: ALICE Muon Tracking Chambers (MCH) Low Voltage System



CERN: ATLAS

The Big Data starts with real-time processing with FPGAs: High-throughput electronics laboratory at Wits university and iThemba LABS

