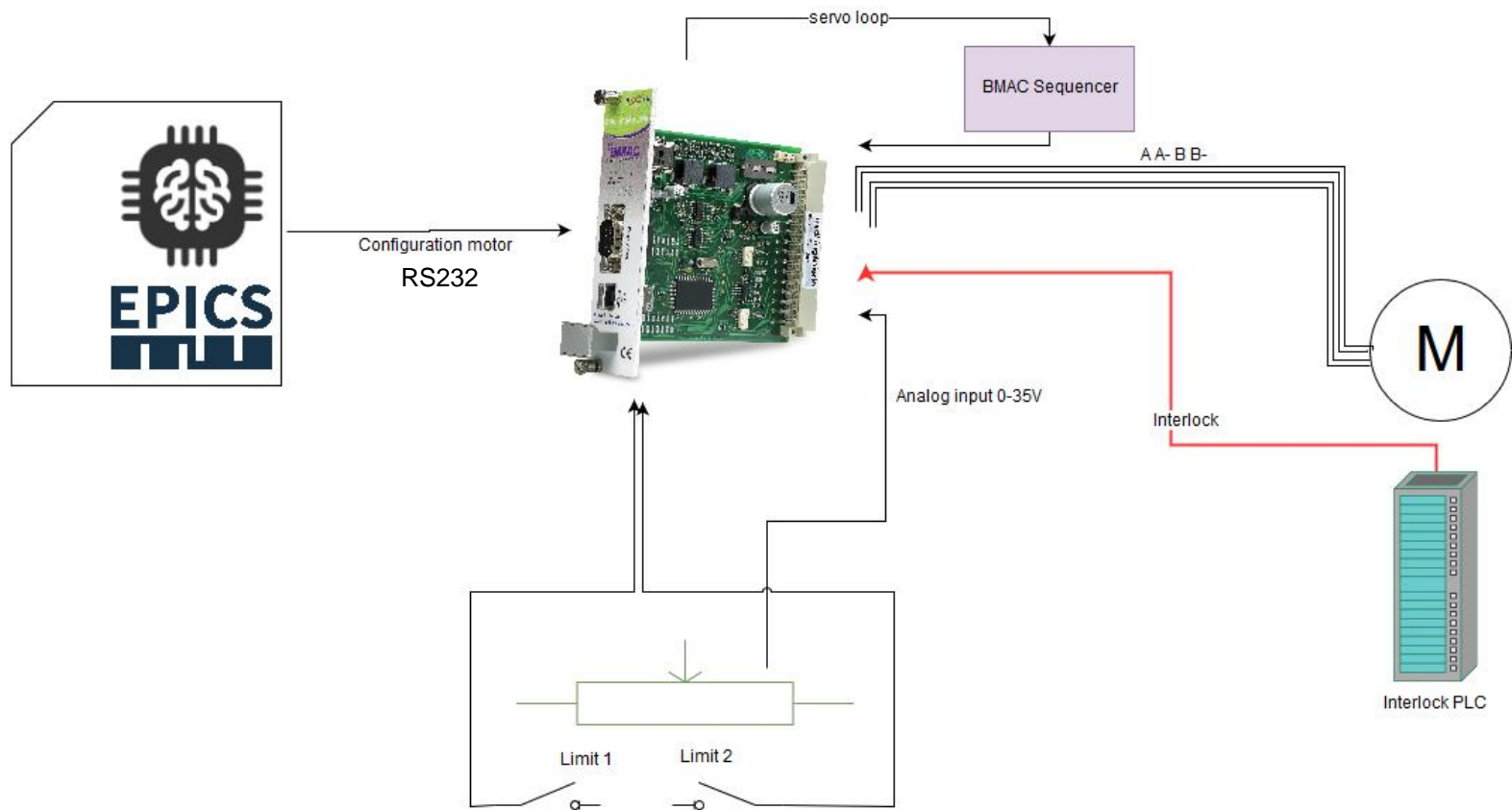# MOTION CONTROL IN CEA

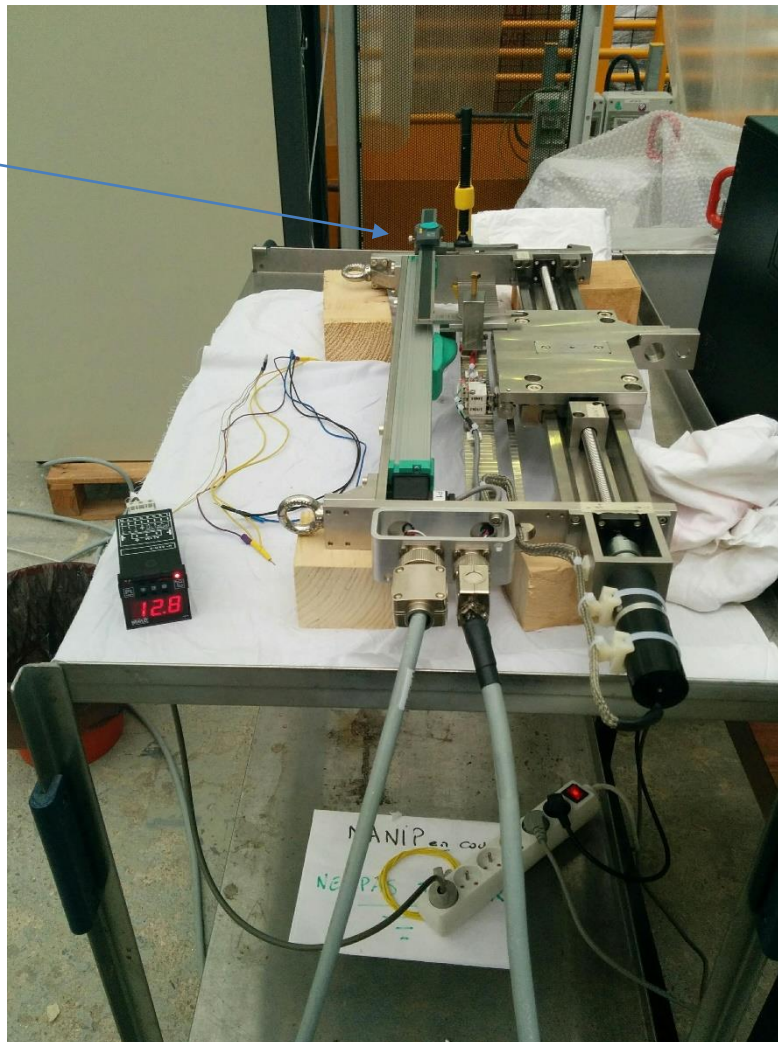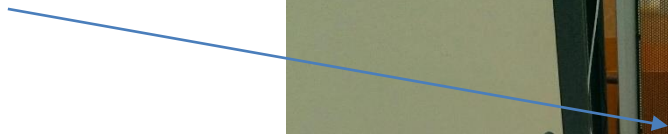Alexis Gaget
Denis Loiseau

EPICS Meeting May 21st 2019

www.cea.fr

S3 spectrometer (SPIRAL2 accelerator)

caliper

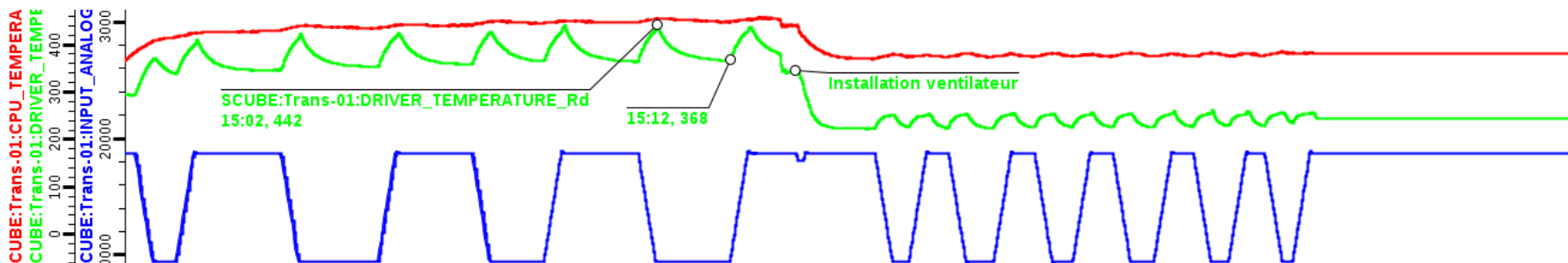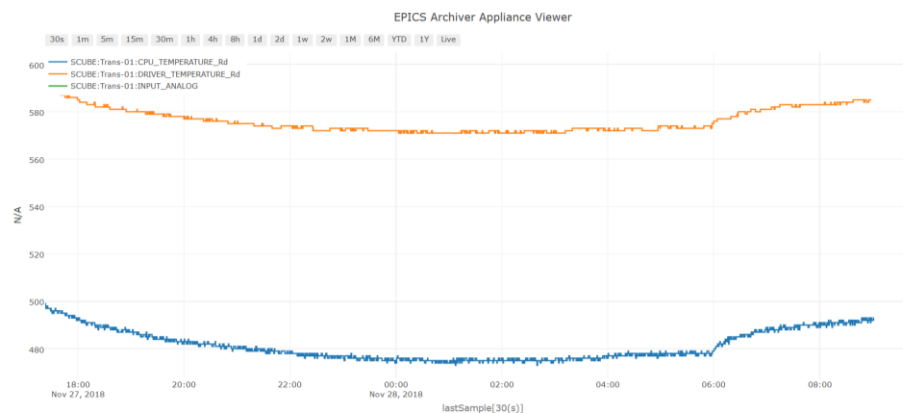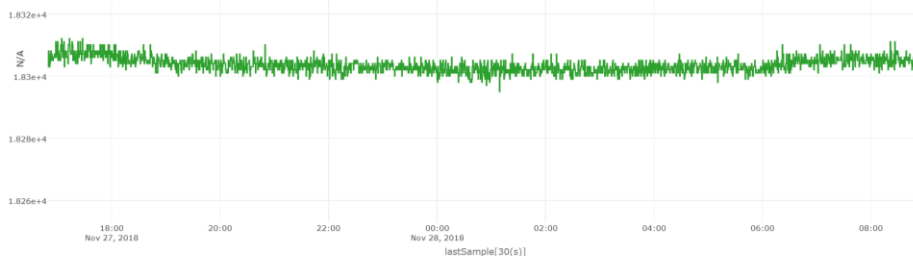## S3 spectrometer (SPIRAL2 accelerator)

- Advantage
  - All-in-one solution
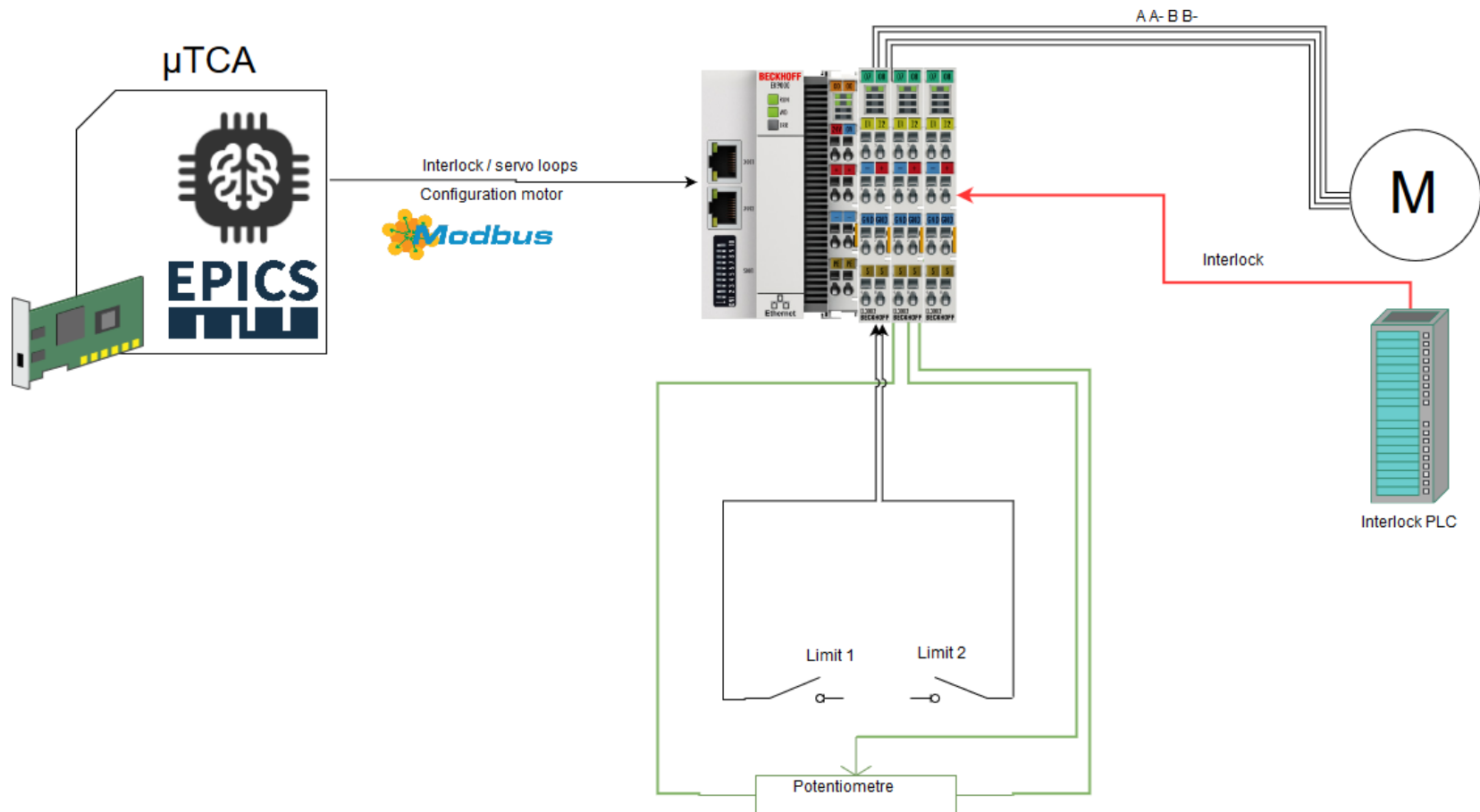 - Compatible, resolver/coder/analog input

- Disadvantage
  - Control : we have to add footer and header to the command we sent through streamdevice
  - Analog input measure is correlated to temperature
    +-50mV -> +-1/10 mm
    Need to add fan to the module…

S3 spectrometer (SPIRAL2 accelerator)

CEA investigation for SARAF accelerator

CEA investigation for SARAF accelerator

- Receive the module EL7041-0052 3 weeks ago
- Communication with the module OK -> can communicate to COE index/subindex throught the EK9000 modbus controller
  - For now we've not been able to execute a simple movement.
  - Beckhoff support investigates to know if it's possible through EK9000.
  - If not… please help ☺