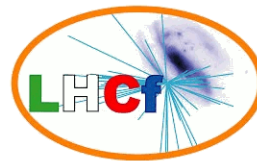


# LHCf

# Activities Dec-2024

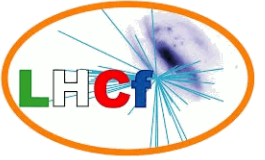
L. Bonechi, 6 Dec 2024



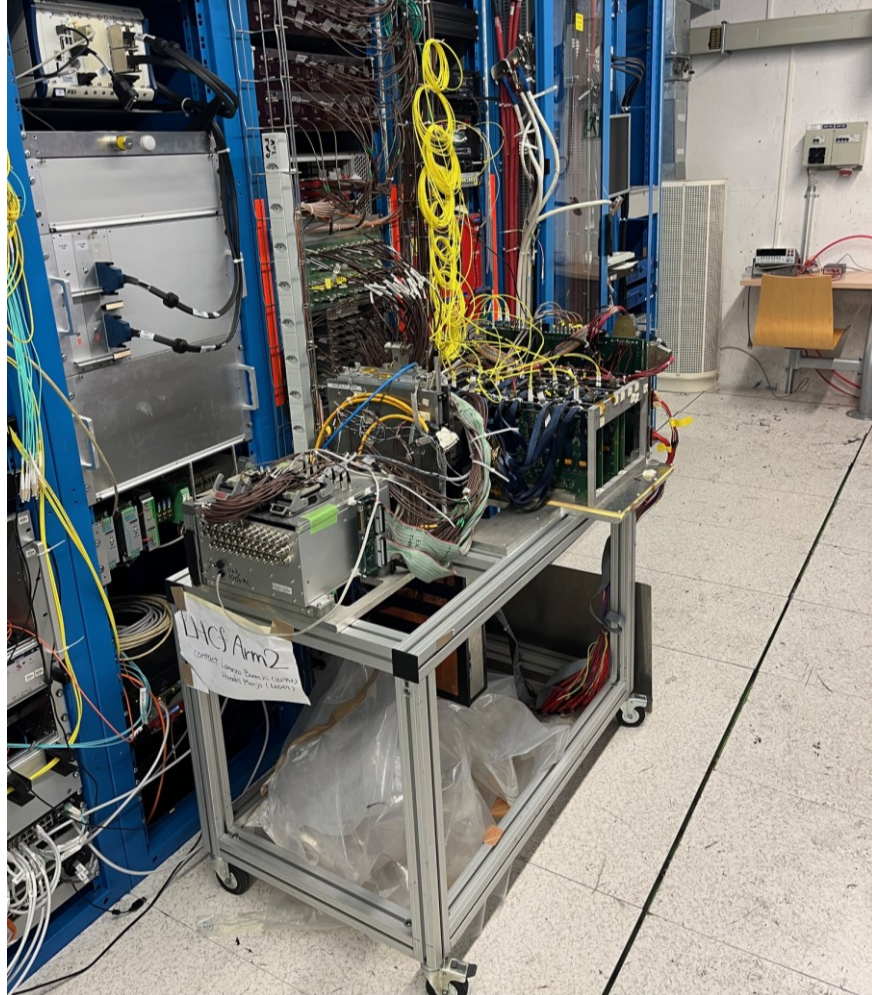
# Main tasks

- Final tests to be completed in 2024 for the preparation to the 2025 oxygen run:
  - New test of the Arm2 silicon DAQ with the detector in USA15 (on-going)
  - Preliminary test of the Arm2 silicon DAQ with the detector near TAN (Dec. 10, afternoon)
  - Removal of Arm2 from the tunnel (Dec. 12, morning)
- Survey to the LHCf cabling
  - Identification of LHCf Arm1/2 cables that must be removed in LS3 (Dec. 12)

# Preliminary test of Arm2 in USA15

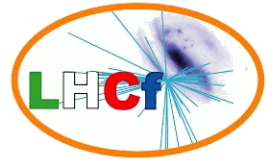


- Arm2 detector placed in front of the LHCf racks
- On-going: calibration of silicon detectors

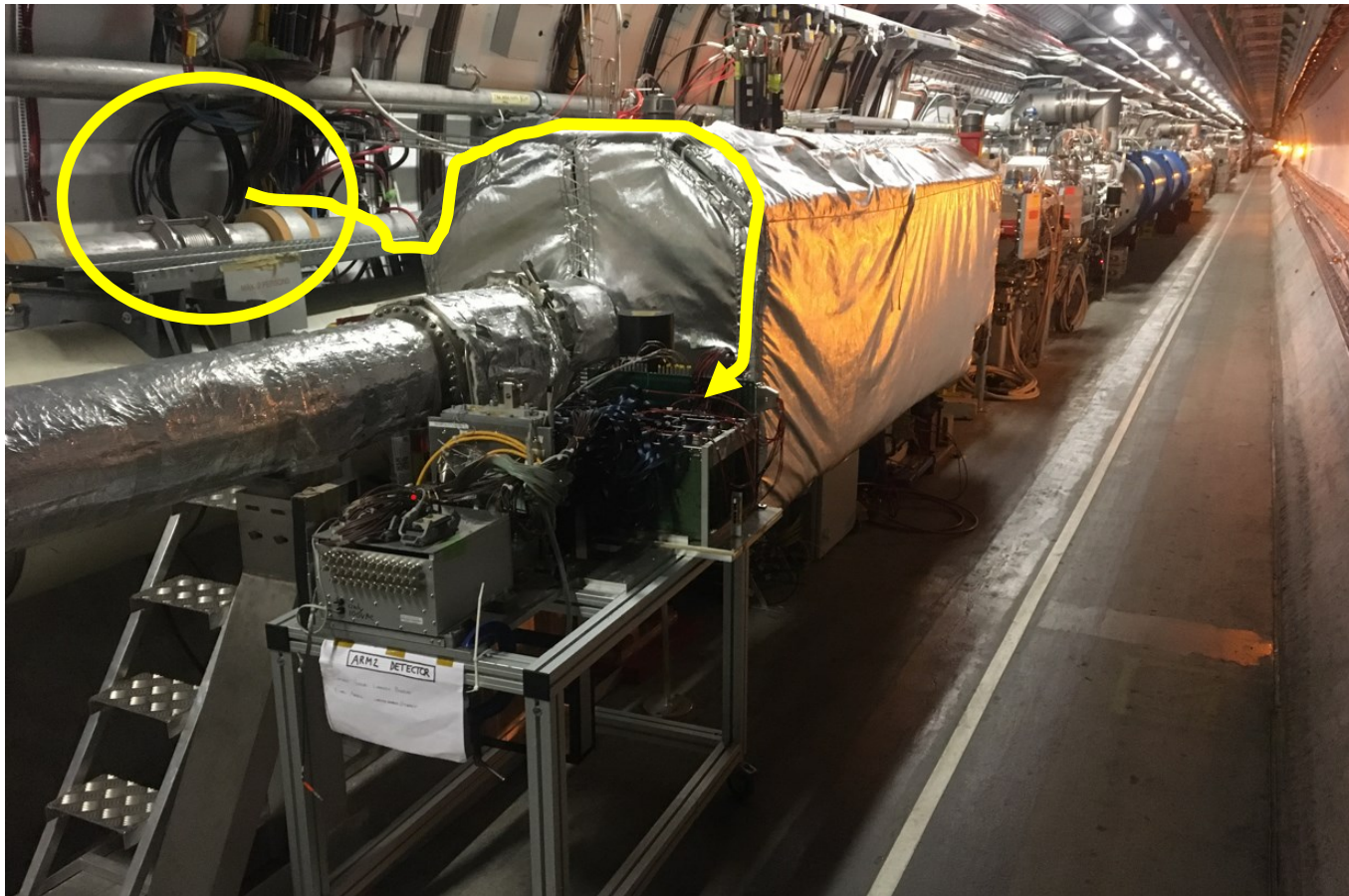


USA-15, December 6, 2024

# Preliminary test of Arm2 in the LHC tunnel



- Starting on 10 Dec 2024 in the afternoon
- Approx 2 days with the Arm2 detector placed in front of the TAN in LSS1R
- **IMPACT: 239785**
- Main purpose: test of DAQ with 200m long fibers



- Installation point: detector placed near the beam pipe, sufficiently far from the corridor
- Operations: Cables will be detached from the wall (QRL side), unrolled and passed onto the other side of TAN where they will be connected to the Arm2 detector
  - Special authorization:  
<https://edms.cern.ch/document/3191679/1.0>
- Installation team and duration: 2 persons will stay around TAN for approximately 30-60 min for transportation of the detector and cabling
- Uncabling, cleaning and removal of the detector requires a similar operations and time