

Highlights of

FELIX

The new detector readout system for the ATLAS experiment

Front End Link eXchange

- FELIX is a data router
 - data exchange link between frontends and network hosts using industry standard protocol
- FELIX is a future interface to the ATLAS detector readout
 - Interface to the new muon and calorimeter trigger electronics in LHC Run 3 (2020) and interface to all detector readout (2026)
- Most of key features are implemented and tested
 - Data multiplexing and fixed latency data transmission
- FELIX is ready to be used for front-end users and integration test has started

