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Type: **Poster plus Minioral**

FELIX: the new ATLAS readout system from Run 3 to High Luminosity LHC

The Front-End Link eXchange (FELIX) system is a new ATLAS DAQ component designed to meet the evolving needs of detector readout into the High-Luminosity LHC era. FELIX acts as the interface between the data acquisition; detector and trigger timing and systems; and new or updated trigger and detector front-end electronics. FELIX routes data between custom serial links from front-end electronics to data collection and processing components via a commodity switched network. This presentation covers the design of FELIX and its evolution for High-Luminosity LHC, plus commissioning activities ahead of Run 3.

Minioral

Yes

IEEE Member

No

Are you a student?

No

Presenter: ZAHN, Felix (Royal Holloway, University of London)

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