



Contribution ID: 25

Type: **Flash talk**

Outer Barrel services chain characterization for the ATLAS ITk Pixel Detector

Friday 16 June 2023 10:50 (15 minutes)

We present performance tests of the ATLAS Phase-II Outer Barrel Pixel detector services chains. The Phase-II pixel upgrade is part of the ITk HL-LHC upgrades to be installed later in this decade. After successful completion of the design phase, the final components are undergoing production and integration testing. A full data transmission chain is set up at the University of Bern for ITk that goes from the pixel sensors all the way to the FELIX backend data acquisition system. We present studies of data transmission involving different configurations and optimizations of data routes. Challenges and results of the services chain of the Outer Barrel will be highlighted.

My contribution is about a project related to sustainability

No

Field of contribution

Particle physics

Limited flash talk slots

I would present a poster instead.

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