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Type: **Parallel Talk**

## First performance of the real-time reconstruction at LHCb

*Saturday, 9 July 2022 11:35 (20 minutes)*

The upgraded LHCb detector will take data at a five times higher instantaneous luminosity. In this talk we will cover the performance of the all-new tracking detectors and demonstrate how their improved granularity helps the LHCb Upgrade not only maintain but improve on the previous LHCb detector performance in many key areas. We also cover the particle identification performance for hadrons and leptons, and show first results from detector commissioning, alignment, and calibration with early 2022 data.

### In-person participation

Yes

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