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RICH Run 3 Project

This page contains information related to the Run 3 LHCb RICH detectors

Papers

- RICH2019: A proposal for the LHCb-RICH upgrade
- LHCb Upgrade - Particle Identification TDR (including RICH)
- The Future of RICH Detectors through the Light of the LHCb RICH
- Test of the photon detection system for the LHCb RICH Upgrade in a charged particle beam

Commissioning

- Operating the setup in the SysLab
- Operating the setup in the ComLab
- Optical Fibers for the ComLab
- Machines used in the SysLab and ComLab

Hardware

- The Elementary Cell of the photo-detector
- Readout electronics
- The HV system
- DCS: the GBT-SCA
- DCS: the ELMB
- DCS: the LV system
- The DSS system
- The gas system
- The cooling system
- RICH1 Run 3 Mechanical Engineering
- RICH2 Run 3 Mechanical Engineering

ECS

- WinCC projects
- Development guidelines
- HV
- DAQ
- DCS
- Safety
- Setup of OPC-UA servers
- Inventory-Bookkeeping-Connectivity DataBase (IBCDB)

Simulation

- Simulations for the Run 3 RICH detectors

- Test-Beam related stuff

-- Giovanni Cavallero - 2020-05-14