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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
- Characterisation of signal-induced noise in Hamamatsu R11265 Multianode Photomultiplier Tubes

Commissioning

- Operating the setup in P8
- 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
- Light Leak Detector
- RICH1 Run 3 Mechanical Engineering
- RICH2 Run 3 Mechanical Engineering

ECS

- Run 3 WinCC projects
- Run 3 Development guidelines
- HV
- DAQ
- DCS
- Safety
- OPC-UA servers Run3
- RICH Run3 Database

Simulation

- Simulations for the Run 3 RICH detectors
• Test-Beam related stuff