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RICH photos from CERN Document Server

- Photomultiplier tubes in the upper box of the LHCb experiment's RICH 1 detector
- The mirrors for the LHCb experiment's RICH detector are installed in the cavern
- The first Cherenkov rings from the RICH1 detector of the LHCb detector
- RICH2 arrives in the LHCb tunnel after being lowered through a vertical shaft.
- Lowering RICH2 into the underground cavern required millimetric precision.
- Le convoi du LHCb RICH2 photographié de jours.
- The RICH2 convoy, having just left Building 156 where it was assembled, on its way to Point 8 and the LHCb cavern.
- Préparation du convoi RICH2 de l'expérience LHCb.
- LHCb ring imaging Cherenkov detector mirrors
- Detector LHCb/RICH2 in building 156
- LHCb RICH2 test setup with a focusing mirror and the HPD (Hybrid Photodiode Detector).

CERN Document Server latest RICH posters

- The LHCb Vertex Detector Upgrade. The prototypes study with the Timepix3 Telescope
- Long-term and efficient operation of the MWPC muon detector at LHCb
- Prospects for future upgrade of the LHCb RICH system
- Strategy and Automation of the Quality Assurance Testing of MaPMTs for the LHCb RICH Upgrade
- The micro-Resis7ve WELL detector for the phase 2 upgrade of the LHCb muon detector
- Radiation Damage of LHCb's Silicon Detector Systems
- A new readout electronics for the LHCb Muon Detector Upgrade
- Strategy and Automation of the Quality Assurance Testing of MaPMTs for the LHCb RICH Upgrade
- First results from production testing of 64-channel MaPMT R13742 (1 in) and R13743 (2 in) for the LHCb RICH Upgrade
- LHCb full-detector real-time alignment and calibration: latest developments and perspectives
- LHCb full-detector real-time alignment and calibration: latest developments and perspectives
- Search for gluon saturation at Bjorken-x $\in [10^{-6}, 10^{-4}]$ with the LHCb detector(ID:39)
- The LHCb RICH Upgrade: Development of the DCS and DAQ system.
- Silicon photomultiplier arrays for the LHCb scintillating fibre tracker
- Measurement of the photon polarization in radiative $B^0 \to s \gamma$ decays at LHCb
- A New Readout Electronics for the LHCb Muon Detector Upgrade
- Development and test of the CO2 evaporative cooling system for the LHCb UT Detector
- Production and Quality Assurance of a Scintillating Fibre Detector for the LHCb Experiment
- Beam test results for the upgraded LHCb RICH opto-electronic readout system
- High rate tests of the LHCb RICH Upgrade system
- Real-time alignment and calibration of the LHCb Detector in Run II
- LHCb RICH Upgrade: an overview on the photon detector and the electronics system
- LHCb - SALT, a dedicated readout chip for strip detectors in the LHCb Upgrade experiment
- LHCb : Behaviour of Multi-anode Photomultipliers in Magnetic Fields for the LHCb RICH Upgrade
- LHCb : The upgraded LHCb RICH detector: status and perspectives
- LHCb : Novel real-time alignment and calibration of the LHCb Detector in Run2
- Real-time alignment and calibration of the LHCb Detector in Run II
- LHCb : Clock and timing distribution in the LHCb upgraded detector and readout system
- LHCb : A Scintillating Fibre Tracking Detector for the LHCb Upgrade
- LHCb Observation of photon polarization in the $b \to s \gamma$ transition
- LHCb Search for new physics in the $b \to c \bar{c} s$ decay with LHCb detector at LHC
- LHCb: The Front-End electronics for the LHCb scintillating fibres detector
- LHCb: Detector Module Design, Construction and Performance for the LHCb SciFi Tracker
- Search for the lepton flavour violating decay $\tau^{-} \to \mu^{+} \mu^{-} \mu^{-}$ with the LHCb detector
- LHCb: Characterisation and magnetic field properties of Multianode Photomultiplier tubes for the use in LHCb Upgrade RICH detectors
- LHCb: FPGA-based, radiation-tolerant on-detector electronics for the upgrade of the LHCb Outer Tracker Detector
- LHCb: The Performance and Radiation Hardness of the Outer Tracker Detector for LHCb
- LHCb: Photon polarisation $B$ in $b \to s \gamma$ using $B \to K^{*} e^{+} e^{-}$ at LHCb
- The LHCb RICH silica aerogel performance with LHC data
- The LHCb RICH Detector Control System
- Cross Talk Study to the Single Photon Response of a Flat Panel PMT for the RICH Upgrade at LHCb
- RICH High Voltages & PDF Analysis @ LHCb
- LHCb RICH Online-Monitor and Data-Quality
- LHCb: The LHCb Muon detector commissioning and first running scenarios
- LHCb: Alignment of the LHCb Detector with Kalman Filter Fitted Tracks
- LHCb: Installation and operation of the LHCb Silicon Tracker detector
- LHCb: Ageing Tests and Recovery Procedures of Silica Aerogel
- LHCb: Magnetic Distortion Measurement System of the LHCb RICH2 Detector
- LHCb: Quantum Efficiency of Hybrid Photon Detectors for the LHCb RICH
- LHCb: Quality Assurance of Pixel Hybrid Photon Detectors for the LHCb Ring Imaging Cherenkov Counters
- LHCb: Carbon Fibre Spherical Mirrors for the LHCb RICH 1 Detector
- LHCb: The Calorimeter System of the LHCb Detector
- LHCb: Status of the LHCb silica aerogel Cherenkov radiator
- LHCb Rich Detectors
- LHCb: High Voltage system for the LHCb calorimeter detectors at CERN
- LHCb: Controls for LHCb detector
- LHCb: Reconstruction and calibration strategies for the LHCb RICH detector
- LHCb RICH detectors
- Calibration of LHCb RICH detectors with $\Lambda \to p\pi\pi$ using data
- LHCb: Probing photon polarization in $B_s \to \phi \gamma$ decay at LHCb
- LHCb: The RICH detectors of the LHCb experiment
- LHCb: Rich B-field
- LHCb: Rich
**EPJC Journal**

- EPJC_73_5_FRONTCOVER.pdf: EPJC Front Cover (PDF)
- EPJC_73_5_FRONTCOVER.tif: EPJC Front Cover (TIFF)

**Run 2 mirror alignment trend plots**

- Alignment trend plots

**Old figures**

These figures may be out of date, don't use them!

RICH detectors in IP8
HPD: 18 mm 61-pixel

- rich1-2d-schematic.pdf: RICH1 without aerogel