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The LHCb RICH detectors during the runs 1 and 2 of the LHC

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The LHCb RICH system has undergone a major upgrade during the Long Shutdown 2 of the LHC and it is now ready for operation. The previous incarnation provided excellent hadron identification during runs 1 and 2 of the LHC. The LHCb strategy of having offline quality reconstruction at the High-Level Trigger 2 stage for run 2 posed many calibration challenges that were met successfully. The performance and stability has recently been analysed covering the period 2015-18. The alignment and calibration processes and the particle identification performance will be presented together with the physics impact on the LHCb analyses and some of the lessons learned during the eight years of operation.

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