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## CMS RPC performance and operation in LHC Run 3

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The CMS experiment has collected more than  $74 \text{ fb}^{-1}$  of proton-proton collision data at a 13.6 TeV center-of-mass energy in Run 3 data taking (2022, 2023 and early 2024). The CMS RPC system faces the challenge of the LHC expected delivered instantaneous luminosity of up to  $7.5 \times 10^{34} \text{ cm}^{-2}\text{s}^{-1}$ , providing redundant information for robust muon triggering, reconstruction and identification. To ensure stable data taking, the CMS RPC collaboration has performed a series of detector operation, calibration and performance studies, including the development and maintenance of various software monitoring tools. The detector operation and overall performance at 13.6 TeV, as well as the encountered problems and their corresponding solutions will be presented.

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