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CMS RPC activities during LS2 and Commissioning

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The second LHC long shutdown period (LS2) was a crucial opportunity for the CMS Resistive Plate Chambers (RPC) to complete their consolidation and upgrade projects. The consolidation includes detector maintenance for gas tightness, HV (high voltage), LV (low voltage) and slow control operation. Dedicated studies were performed to understand the behaviour of RPC currents with comparison to RUN2. This paper summarises the activities performed and commissioning of CMS RPC on the surface (For RE4) and for full detector in CMS cavern in different operating conditions.

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