

Status of RPC Muon trigger detector for ATLAS Phase-II upgrade

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In order to cope with the higher flux delivered by the HL-LHC, 3 layers of RPC detectors will be installed in the Barrel Inner (BI) region of ATLAS during the phase-II upgrade. Benefiting from the thin-gap structure and sensitive front end electronics, the new generation RPC has higher rate capability and longevity, together with better time and spatial resolution. This talk will report the status of the muon trigger upgrade focusing on the contributions of the Chinese RPC team.

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