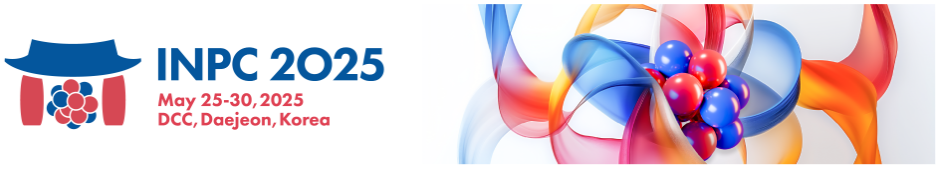

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Performance of the CMS Muon Reconstruction in PbPb Collisions during LHC Run 3

Ensuring the reliability and efficiency of the muon reconstruction is essential for a vigorous muon-based physics program in heavy-ion collisions at CMS. This poster presents the performance of the CMS muon reconstruction recorded during the LHC run3. The analysis will explore the key aspects, including the muon calibration, tracking, identification, triggering, and momentum resolution, to understand how well the algorithm performs in the recent environment. The present results have been obtained by the data-driven tag-and-probe (TnP) analysis method.

Consent

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