

Muon triggering and reconstruction strategy for Run3 heavy ion collisions for CMS

Tuesday 25 April 2023 18:00 (20 minutes)

The upgrades for Run 3 of the CMS experiment at LHC improves both hardware and software, resulting in the enhancement of detection efficiency and data streaming capabilities for the accumulation of the physics data. In this poster, we will introduce the latest strategy of the muon trigger for the Run3 heavy-ion experiment. It employs the newly developed algorithms to increase the trigger performance in timing and the event trigger rate. We will also discuss the latest update about the method to derive the detection efficiency, the so-called tag-and-probe method, of muon.

Theory / experiment

Experiment

Group or collaboration name

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