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Type: **Talk**

Performance of the CMS Tracker during LHC Run 3

Friday 30 August 2024 12:00 (20 minutes)

The CMS tracker, comprised of Silicon Pixel and Silicon Strip detectors, is designed for the precise measurement of charged particle trajectories. The pixel and strip detectors have demonstrated effective and reliable operation during LHC Run 1 and Run 2, significantly contributing to the quality of the experimental data. Since the start of LHC Run 3, both detectors have been operating efficiently, successfully collecting data from 13.6 TeV collisions. This talk will review the performance of the CMS pixel and silicon strip detectors during Run 3, highlighting their operational metrics. Additionally, it will discuss the tracker alignment techniques, which correct the position, rotation, and curvature of each module to ensure precise trajectory reconstruction.

Internet talk

No

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

CMS

Is the speaker for that presentation defined?

Yes

Details

Speaker: Lakshmi Pramod

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