



Contribution ID: 32

Type: Talk (invited speaker only) The talk is invitation only

[A08] CMS Outer Tracker: Operational Experience and Performance

Monday 24 October 2022 13:35 (30 minutes)

The CMS silicon strip tracker consisting of 15000 silicon modules with a 200 m² active area has been successfully taking data in LHC Run 1 and Run 2. After the second long shutdown period from the end of 2018, the detector resumed operations in Summer 2021 and will be operational till the end of LHC Run 3, before the HL-LHC upgrade. In this presentation, the performance of the detector during the Run 2 will be summarized. The projections of the detector performance during Run 3 will be discussed, with particular emphasis on the expected changes in detector performance with increasing irradiation. The performance of the detector during the early Run 3 collisions will also be presented.

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Session Classification: Running Detectors