## **CMS Tracker Alignment: Legacy results** from LHC Run-II and Run-III prospects.

Lakshmi Pramod on behalf of the CMS Collaboration





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References
[1]The Phase-2 Upgrade of the CMS Tracker, CMS Collaboration, CERN-LHCC-2017-009, CMS-TDR-014
[2]Momentum bias determination in the tracker alignment and first differential tibar cross section measurement at CMS, Holger Enderle, CERN-THESIS-2012-248
[3]Alignment of the CMS tracker with LHC and cosmic ray data, CMS Collaboration, 2014 JINST 9 P06009
[4]Strategies and performance of the CMS silocut tracker alignment during LHC Run 2, CMS Collaboration, CMS-TRK-20-001-003
[5]First Tracker Alignment results with 2021 cosmic ray data, CMS Collaboration, CMS-DP-2021-025
[6]CMS Status Report, 148th LHCC Meeting - OPEN Session