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## Flow harmonic measurements up to order 10 in PbPb collisions with CMS

*Tuesday 5 September 2023 17:30 (2h 10m)*

Higher order flow harmonics provide a powerful probe of the initial geometry of heavy ion collisions, as well as the properties of the quark-gluon plasma produced in these collisions, including the transport coefficients and the degree of collective behavior. This poster presents higher order flow harmonics measurements in PbPb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV using data from the CMS experiment. We will discuss the centrality dependence of flow harmonics up to order 10 and compare them to theory calculations and lower order measurements.

### Category

Experiment

### Collaboration (if applicable)

CMS

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