

Abstract Submitted
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Latest results on collectivity in small systems at CMS ZHENYU CHEN, Rice University, CMS COLLABORATION — In recent years, a wealth of experimental evidence has suggested the presence of novel collectivity in smallest hadronic collision systems such as pp and pPb with high-multiplicity final states. The origin of the observed collectivity is under intense debate, i.e., whether a strongly coupled quark-gluon medium is formed there, similar to that in large heavy ion collisions. With new pp and pPb data collected during the LHC run 2, latest results at CMS on collectivity in small system will be presented, including multi-particle azimuthal correlations and identified particle correlations for light and heavy flavor species. These results will provide new insights in unraveling the nature of collectivity in small but dense QCD systems.

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