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Experimental highlights on collectivity in small collision systems

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Measurements of azimuthal flow and multi-particle correlations in heavy-ion collisions are typically attributed to a collective expansion of the system created in these collisions that is driven by relativistic hydrodynamics. Surprisingly, similar measurements in small collision systems, such as pp and p–Pb collisions, show striking similarities to the corresponding measurements in heavy-ion collisions. However alternative explanations based on initial state dynamics are able to describe many characteristic features of these measurements. In this contribution, a review of recent experimental highlights on collectivity effects observed in small systems will be presented. These results will be discussed in the context of existing phenomenological models.

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