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An overview of heavy-ion physics in small collision systems at the LHC

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Studies of small collision systems are essential to our understanding of the physics of strongly interacting matter at high temperatures. Proton-proton and proton-lead collisions with high particle multiplicities exhibit striking similarities to large nucleus-nucleus collisions, including apparent collective motion, quarkonium suppression, and similar hadrochemistry. An overview of recent measurements of small collision systems at the LHC experiments will be presented. The evolution of these observables from the lowest to highest multiplicities will be discussed and their impact on our understanding of heavy-ion physics will be explored.

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