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Creating QCD plasma droplets in p+p collisions at the LHC

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ATLAS, CMS and ALICE experiments have measured flow-like signatures in p+p collisions at 5.02 and 13 TeV that are reminiscent of those found in heavy-ion collisions. These signatures can naturally be explained as originating from tiny droplets of QCD plasma expanding hydrodynamically. I will review the applicability of hydrodynamics to plasma droplets below the femtometer scale and discuss possible implications for precision beyond-the-standard-model physics searches in p+p experiments.

Experimental Collaboration

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