



Contribution ID: 43

Type: **Parallel Talk**

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

*Friday, July 7, 2017 9:00 AM (30 minutes)*

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

**Primary authors:** ROMATSCHKE, Paul; ROMATSCHKE, Paul (University of Colorado, Boulder)

**Presenter:** ROMATSCHKE, Paul

**Session Classification:** Heavy ion physics

**Track Classification:** Heavy Ion Physics