



Contribution ID: 9

Type: **not specified**

Interferometric Signatures of Hydrodynamics in Small Systems

Wednesday, 20 November 2019 09:20 (20 minutes)

Particle interferometry has proven to be an indispensable tool in probing the space-time evolution of femto-scopic collision systems. In this talk, I show how hydrodynamic predictions for the space-time evolution of high-multiplicity pp and $p+Pb$ collisions can be tested against interferometric observables designed to probe their size and shape. In particular, I consider how the dependence of these observables on the transverse momentum K_T and the multiplicity $dN^{\text{ch}}/d\eta$ may reflect the hydrodynamic nature of the evolving system.

Primary author: PLUMBERG, Christopher

Presenter: PLUMBERG, Christopher

Session Classification: High Multiplicities (small system)

Track Classification: High Multiplicities (small system)