Abstract Submitted
for the DNP20 Meeting of
The American Physical Society

Interferometric Signatures of Collectivity in Small Systems[1]
CHRISTOPHER PLUMBERG, Lund University — Particle interferometry has proven to be an indispensable tool in probing the space-time evolution of femtoscopic collision systems. In this talk, I show how hydrodynamic predictions for the space-time evolution of high-multiplicity p+p 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 multiplicity $dN_{ch}/d\eta$ may reflect the hydrodynamic nature of the evolving system.

[1]CLASH project (KAW 2017-0036)

Christopher Plumberg
Lund University

Date submitted: 19 Jun 2020 Electronic form version 1.4