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Interferometric Signatures of Hydrodynamics in Small Systems

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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.

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