

Abstract Submitted
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Femtосcopy of pp and Pb-Pb collisions with the ALICE experiment at the LHC VERA LOGGINS, Wayne State University, ALICE COLLABORATION — Femtосcopy is unique among all analysis techniques utilized in subatomic collision experiments as it directly addresses the space-time structure of the evolving system at the femtometer scale. We report on the results of two-particle Bose-Einstein correlation analyses in pp and Pb-Pb collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s_{NN}} = 2.76$ TeV, respectively, recorded by the ALICE experiment at the LHC. We discuss femtосcopic correlations for pions, kaons, and protons as a function of event multiplicity and total pair momentum.

Vera Loggins
Wayne State University

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