



Selected Results on Strong and Coulomb-Induced Correlations from the STAR Experiment

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Using recent high-statistics STAR data from Au+Au and Cu+Cu collisions at full RHIC energy I discuss strong and Coulomb-induced final state interaction effects on identical (p_1p) and non-identical (p_1X) particle correlations. Analysis of p_1X correlations reveals the strong and Coulomb-induced FSI effects, allowing for the first time to estimate spatial extension of p and X sources and the average shift between them. Source imaging techniques provide clean separation of details of the source function and are applied to the one-dimensional relative momentum correlation function of identical pions. For low momentum pions, and/or non-central collisions, a large departure from a single-Gaussian shape is observed.

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