

Abstract Submitted
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Quark recombination in high energy collisions for different energies STEVEN ROSE, Texas A&M University and Worcester Polytechnic Institute, RAINER FRIES, Texas A&M University & Riken BNL — We examine hadron production in high energy collisions performed at the Relativistic Heavy Ion Collider (RHIC) with different energies, impact parameters, and nuclei. The mechanisms of recombination as well as fragmentation are thus examined across a wider scale of collisions, allowing for extrapolation of their relative contributions to hadron production. The radial flow and volume were seen to be sensitive to changes in energy, impact parameter, and the colliding nuclei.

Steven Rose
Texas A&M and Worcester Polytechnic Institute

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