

Abstract Submitted
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Merging and Flow Experiments on the Colorado FRC¹ T. MUNSAT, C.L. ELLISON, A.D. LIGHT, Center for Integrated Plasma Studies, University of Colorado — Experiments have begun on the Colorado FRC Experiment, a new machine for the study of turbulence, flow, stability, and cross-field transport in a prolate field-reversed configuration. The experiment is a merged-spheromak device driven by magnetized coaxial plasma guns. We have designed and constructed a two-point biasing probe for driving $E \times B$ flows at $M \approx 1$. Magnetized gun operation is now standard and merging/flow experiments have begun. We present early results from the first merging experiments and attempts to impose and measure bulk rotation.

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