Abstract Submitted
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Progress on the Colorado FRC Experiment[1] A.D. LIGHT, C.L. ELLISON, T. MUNSAT, J.M. NUGER, W. WILLCOCKSON, S.E. WURZEL, Center for Integrated Plasma Studies, University of Colorado — Experiments have begun on a new machine for the study of turbulence, flow, stability, and cross-field transport in a field-reversed configuration (FRC). The Colorado FRC Experiment is a high-β, merged-spheromak device driven by magnetized coaxial plasma guns. A two-point biasing probe will be used to drive $E \times B$ flows. Current efforts are focused on characterizing various components and exploring the operating parameters of the device, as well as developing a diagnostic set for initial fluctuation and flow experiments. Early results and progress toward completion of the machine are presented.

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