

Abstract Submitted
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Improved control and operation of the Lithium Tokamak eXperiment-Beta (LTX- β)¹ E. MERINO, R. MAJESKI, D. P. BOYLE, P. E. HUGHES, G. TCHILINGUIRIAN, G. ZIMMER, S. DOSKOCZYNSKI, T. KOZUB, Princeton Plasma Physics Laboratory, D. B. ELLIOT, Oak Ridge National Laboratory, A. MAAN, University of Tennessee — Start-up of the Lithium Tokamak eXperiment-Beta (LTX- β) required the development of new systems for control of the shot cycle, timing of power supplies and diagnostics, and management of database storage. This effort involved the integration of pre-existing (Ohmic heating power supply, neutral beam control) and newly added (beam calorimetry) systems. Additional focus was placed on improving the hardware used for these upgrades. An enterprise level server was recently set up to manage the new database and the data acquisition devices. In addition, the Neutral Beam system saw an upgrade of its computer hardware and software. An overview of all the above will be presented.

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