Abstract Submitted
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C-2U Experimental Transport Analysis ERIK TRASK, M. BEALL, N. BOLTE, B. DENG, J. DOUGLASS, H. GOTA, E. GRANSTEDT, D. GUPTA, D. OSIN, T. ROCHE, K. ZHAI, Tri Alpha Energy, Inc., TAE TEAM[1] — Upgrades of the experimental facility at Tri Alpha Energy have led to record Field Reversed Configuration (FRC) performance on the C-2U device[1]. Modifications to magnetic field characteristics and increases in neutral beam power were critical drivers in achieving sustained plasma targets for greater than 5ms. 0D power balance calculations detailing loss channel characteristics and plasma timescales will be presented demonstrating substantial improvements in equilibrium and transport parameters. [1]M.W. Binderbauer *et al.*, AIP Conf. Proc. **1721**, 030003 (2016)

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