

Abstract Submitted  
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**Recent Results of ICC Experiment Simulations by the PSI-Center** B.A. NELSON, A.H. GLASSER, T.R. JARBOE, C.C. KIM, G.J. MARKLIN, W. LOWRIE, E.T. MEIER, R.D. MILROY, U. SHUMLAK, University of Washington, C.R. SOVINEC, J.B. O'BRYAN, University of Wisconsin-Madison, E. HELD, J.-Y. JI, Utah State Univ, V.S. LUKIN, Naval Research Laboratory — The Plasma Science and Innovation Center (PSI-Center - <http://www.psicenter.org>) performs simulations of collaborating Innovative Confinement Concept (ICC) experiments. Collaborators include the Bellan Plasma Group (Caltech), CTH (Auburn U), FRX-L (Los Alamos National Laboratory), HIT-SI (U Wash - UW), LDX (M.I.T.), MST & Pegasus (U Wisc-Madison), PHD (UW), PFRC (PPPL), SSX (Swarthmore College), TCS (UW), and ZaP (UW). Modifications have been made to the NIMROD, HiFi, and PSI-Tet codes to specifically model these ICC experiments, including mesh generation/refinement, appropriate boundary conditions (external fields, insulating BCs, etc.), and kinetic and neutral particle interactions. Output files from these codes are interfaced to the powerful 3-D visualization program, VisIt (<http://www.llnl.gov/visit>). Results from these simulations, as well as an overview of the Interfacing Group status will be presented.

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