## Abstract Submitted for the DPP16 Meeting of The American Physical Society

The Bigfoot Drive; Experimental Results KEVIN BAKER, CLIFF THOMAS, SHAHAB KHAN, DANIEL CASEY, BRIAN SPEARS, RYAN NORA, DAVIS MUNRO, DAVID EDER, JOSE MILOVICH, DICK BERGER, DAVID STROZZI, CLEMENT GOYON, DAVID TURNBULL, TAMMY MA, NOBUHIKO IZUMI, ROBIN BENEDETTI, MARIUS MILLOT, PETER CEL-LIERS, CHARLES YEAMANS, ROBERT HATARIK, NINO LANDEN, OMAR HURRICANE, DEBBIE CALLAHAN, Lawrence Livermore Natl Lab — The Bigfoot platform was developed on the National Ignition Facility to investigate low convergence, high adiabat, high rhoR hotspot implosions. This platform was designed to be less susceptible to wall motion, LPI and CBET and to be more robust against capsule hydrodynamic instabilities. To date experimental studies have been carried out at two hohlraum scales, a 5.75 and 5.4 mm diameter hohlraum. We will present experimental results from these tuning campaigns including the shape vs. cone fraction, surrogacy comparisons of self-emission from the capsules vs. radiography of the imploding capsule and doped vs. undoped capsules. Prepared by LLNL under Contract DE-AC52-07NA27344.

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