High-energy laser experiments on the Large Plasma Device\footnote{Work supported by the DOE and the Basic Plasma Facility} \hfill

CARMEN CONSTANTIN, ANDREW COLLETTE, SHREEKRISHNA TRIPATHI, PATRICK PRIBYL, ERICK EVerson, ALEXANDRE GIGLIOTTI, STEVE VINCENA, NATHAN KUGLAND, UCLA, RADU PRESURA, STEFAN NEFF, CHRISTOPHER PLECHATY, Univ. of Reno, Nevada, WALTER GEKELMAN, CHRISTOPH NIEMANN, UCLA — The interaction of a laser-plasma with a large magnetized plasma was studied with a high-energy laser at the Large Plasma Device. We will compare the magnetohydrodynamic response of the ambient plasma for a variety of plasma blow-off conditions as measured with an array of magnetic pickup and Langmuir probes.

Carmen Constantin
UCLA

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