

Abstract Submitted
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Stimulated Raman Scattering in Direct-Drive Inertial Confinement Fusion Plasmas W. SEKA, M.J. ROSENBERG, W. THEOBALD, J.F. MYATT, A.V. MAXIMOV, R.W. SHORT, S.P. REGAN, Laboratory for Laser Energetics, U. of Rochester, P. MICHEL, C.S. GOYON, J.D. MOODY, LLNL — Stimulated Raman scattering (SRS) is clearly visible in all planar and spherical direct-drive National Ignition Facility experiments. They are also visible in high-intensity OMEGA experiments with comparable IL_n products (I and L are the intensity and density scale length near the quarter-critical surface). The two experimental platforms are complementary and provide information regarding single-beam and multibeam SRS. Experimental evidence and rough estimates of the levels of SRS will be shown and discussed. This material is based upon work supported by the Department of Energy National Nuclear Security Administration under Award Number DE-NA0001944.

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