


**Forthcoming Publications**


R. W. Short and E. A. Williams, "Grillouin Scattering of Multi-Line Laser Light in a Flowing Plasma Corona," accepted for publication by *Physics of Fluids*.


J. A. Abate and R. Roides, "Spatially Resolved Absorption and Detection of Microscopic Impurities in Optical Thin Films by Photothermal Detection," accepted for publication in *Journal De Physique Colloques (Photoacoustique)*.

**Conference Presentations**


The following presentations were made at the Annual Meeting of the Conference on Lasers and Electro-Optics, Baltimore, Maryland, May 1983:

R. L. McCrory, "Essential Physics and Technology Issues for Direct-Drive Laser Fusion" (invited talk).


M. C. Richardson, J. M. Soures, S. Skupsky, J. Kelly, L. Iwan, and B. Flaherty, "Irradiation Uniformity of Spherical Targets with Multibeam Irradiation."

T. Boehly, L. M. Goldman, W. Seka, and R. S. Craxton, "Hydrodynamic Efficiency of Flat Targets Irradiated with 0.35-μm Laser Light."

G. Mourou, J. Valdmanis, and S. Williamson, "New Approaches to Electrical Transient Sampling Systems with Picosecond Resolution."


The following presentations were made at the Thirteenth Annual Conference on Anomalous Absorption of Electromagnetic Waves, Banff, Alberta, Canada, June 1983:


R. W. Short and E. A. Williams, "The Two-Plasmon Instability in a Filament."

E. A. Williams and R. Short, "The Convective Raman Instability."


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