
Publications and Conference Presentations

Publications

R. Betti, V. N. Goncharov, R. L. McCrory, and C. P. Verdon, "Feedthrough and Dynamic Stabilization in Convergent Geometry," in *Laser Interaction and Related Plasma Phenomena*, edited by G. H. Miley, E. M. Campbell, W. J. Hogan, C. Maille-Petersen, H. Coppedge, and E. Montoya (American Institute of Physics, New York, 1997), Vol. 406, pp. 294–302.

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Forthcoming Publications

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R. Betti, V. N. Goncharov, and R. L. McCrory, "Hydrodynamic Stability Theory of Unsteady Ablation Fronts," to be published in Laser and Particle Beams.

R. Betti, V. N. Goncharov, R. L. McCrory, and C. P. Verdon, "Growth Rates of the Ablative Rayleigh–Taylor Instability in Inertial Confinement Fusion," to be published in Physics of Plasmas.

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Conference Presentations

A. Babushkin and W. Seka, "Efficient End-Pumped 1053-nm YLF:Nd Laser," Advanced Solid-State Lasers—Thirteenth Topical Meeting, Coeur D'Alene, Idaho, 2–4 February 1998.

S. J. Loucks, R. L. McCrory, S. F. B. Morse, W. Seka, T. R. Boehly, R. Boni, T. H. Hinterman, R. L. Keck, J. H. Kelly, T. J. Kessler, L. D. Lund, D. D. Meyerhofer, A. V. Okishev, G. Pien, M. J. Shoup III, D. J. Smith, and K. A. Thorp, "OMEGA Architecture, Capabilities, and Operations," JOWOG 37, Los Alamos, NM, 2–5 February 1998.

W. Kordonski, D. Golini, P. Dumas, S. Hogan, and S. Jacobs, "Magnetorheological Suspension-Based Finishing Technology (MRF)," SPIE's 5th Annual International Symposium on Smart Structures and Materials, San Diego, CA, 1–5 March 1998.

A. Chirikikh, D. D. Meyerhofer, W. Seka, R. S. Craxton, and A. Simon, "Stimulated Brillouin Scattering in Long-Scale-Length Plasmas on the OMEGA Laser System," XXV Zvenigorod Conference on Plasma Physics and Fusion, Zvenigorod, Russia, 2–6 March 1998.

A. Simon, "Transit-Time Damping and a New Physical Picture for Landau Damping," Physics Department of the National Cheng Kung University, Taiwan, China, 9 March 1998.

The following presentations were made at the Second International Workshop on Laboratory Astrophysics with Intense Lasers, Tucson, AZ, 19–21 March 1998:

T. R. Boehly, D. D. Meyerhofer, J. P. Knauer, D. K. Bradley, T. Collins, J. A. Delettrez, R. L. Keck, S. Regan, V. A. Smalyuk, W. Seka, and R. P. J. Town, "Laser-Driven Hydrodynamic Instability Experiments of Interest to Inertial Confinement Fusion."

D. D. Meyerhofer, "Observation of Positron Production by Multiphoton Light by Light Scattering."

